

NAVY TRAINING SYSTEM PLAN

FOR THE

NATIONAL AIRSPACE SYSTEM

MODERNIZATION PROGRAM

N88-NTSP-A-50-0011/D

NOVEMBER 2000

NATIONAL AIRSPACE SYSTEM MODERNIZATION PROGRAM

EXECUTIVE SUMMARY

The National Airspace System Modernization Program (NASMOD) consists of various components enabling a massive upgrade of the analog Air Traffic Control (ATC) system with modern digital technology to enable the Department of Defense to keep pace with changing Federal Aviation Administration (FAA) guidelines and standards for terminal radar approach controls. Navy acquisition of NASMOD will be through an Air Force led, joint effort. NASMOD will replace the current AN/GPN-27 Radar with the AN/GPN-30 Digital Airport Surveillance Radar (DASR); the current Automation Systems (AN/TPX-42 and AN/UYX-1) with the AN/FSQ-204 Standard Terminal Automation Replacement System (STARS); and the current information displays with the AN/FYC-22 Visual Information Display System (VIDS). STARS is also known as the Department of Defense (DoD) Advanced Automated System (DAAS) in the FAA community, but for this document it will be referred to as STARS. STARS and DASR are currently in Multi-service Operational Test and Evaluation (MOT&E) at Eglin AFB. Milestone III (Production or Deployment Approval) for these systems is planned for February 2001. VIDS is in Developmental Testing at Space and Naval Warfare Systems Center (SPAWARSYSCEN), Charleston, South Carolina, and has Milestone III planned for April 2001. STARS and DASR are in the late part of the Engineering and Manufacturing Development (EMD) phase. VIDS is an Abbreviated Acquisition Program (AAP) which is not required to conform to the standard phases and milestones model, but can be considered to be in mid-EMD phase.

The NASMOD components are of non-developmental design consisting of modified commercial off-the-shelf equipment provided by Raytheon Corporation. SPAWARSYSCEN Charleston is the Navy Integration Agent for NASMOD and will install and test the NASMOD components.

A new DASR/STARS maintenance technician Navy Enlisted Classification (NEC) will be developed for Navy Electronics Technicians (ET). NEC 15XX will be awarded to Navy ETs who complete the new DASR/STARS follow-on training track, *C-103-XXXX, DASR/STARS Maintenance Technician Pipeline*. The new pipeline will be established at the Naval Air Technical Training Center (NATTC), Pensacola, Florida, and is scheduled to be ready for training in May 2002. It will be phased-in over a five-year period, while at the same time the existing AN/GPN-27 Radar maintenance course, AN/TPX-42A(V)5 DAIR and AN/TPX-42A(V)10 RATCF maintenance technician pipelines will be phased-out.

Navy personnel in the Air Traffic Controller (AC) rating and Marine Corps Air Traffic Controllers with Military Occupational Specialties (MOS) 7291 and 7257, as well as DoD civilian controllers will operate NASMOD components. Operator instruction will be added to the curriculum of the two existing operator training courses, *C-222-2010, Air Traffic Controller* and *C-222-2022, Advanced Radar Air Traffic Control*. Both courses are taught at NATTC Pensacola, Florida.

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Maintenance of the NASMOD components will be performed at two levels: organizational and depot. Navy ETs with NEC 15XX and Marine Corps personnel with MOS 5953 will accomplish organizational level maintenance. Civilian personnel at a contractor facility or the FAA Logistics Center in Oklahoma City, Oklahoma, will perform depot level maintenance. No increase to existing Navy or Marine Corps manpower will be required to operate or maintain the NASMOD components. NATTC Pensacola is requesting two additional ET Instructor billets to conduct the DASR/STARS maintenance training.

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LIST OF ACRONYMS

| | |
|-------------|---|
| AC | Air Traffic Controller |
| AFB | Air Force Base |
| AFLCS | Airfield Lighting Control System |
| AFOTEC | Air Force Operational and Test Evaluation Center |
| AMTCS | Aviation Maintenance Training Continuum System |
| ATAA | Air Traffic Activity Analyzer |
| ARATC | Advanced Radar Air Traffic Control |
| ARTCC | Air Route Traffic Control Center |
| ATC | Air Traffic Control |
| ATIS | Automated Terminal Information System |
| CBT | Computer-Based Training |
| CIN | Course Identification Number |
| CINCLANTFLT | Commander in Chief, Atlantic Fleet |
| CINCPACFLT | Commander in Chief, Pacific Fleet |
| CNET | Chief of Naval Education and Training |
| CNO | Chief of Naval Operations |
| COTS | Commercial Off-The-Shelf |
| CRT | Cathode Ray Tube |
| CY | Calendar Year |
| DAAS | DoD Advanced Automated System |
| DAIR | Direct Altitude and Identity Readout |
| DASI | Digital Altimeter Setting Indicator |
| DASR | Digital Airport Surveillance Radar |
| DoD | Department of Defense |
| ES | Emergency Service |
| ESL | Emergency Service Level |
| ET | Electronics Technician |
| ETMS | Enhanced Traffic Management System |
| ETVS | Enhanced Terminal Voice Switch |
| FAA | Federal Aviation Administration |
| FAAAC | Federal Aviation Administration Aeronautical Center |
| FAALC | Federal Aviation Administration Logistics Center |
| FS | Full Service |
| FSL | Full Service Level |

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LIST OF ACRONYMS

| | |
|--------------|--|
| FY | Fiscal Year |
| GB DAT | Gigabit Digital Audio Tape |
| GB DLT | Gigabit Digital Linear Tape |
| GPW | General Purpose Workstation |
| JRB | Joint Reserve Base |
| LAN | Local Area Network |
| LRU | Line Replaceable Unit |
| MACS | Marine Air Control Squadron |
| MATC | Marine Corps Air Traffic Control |
| MATMEP | Maintenance Training Management and Evaluation Program |
| MCAF | Marine Corps Air Facility |
| MCAS | Marine Corps Air Station |
| MCW | Monitor and Control Workstation |
| MIDS | Meteorological Information Distribution System |
| MOS | Military Occupational Specialty |
| MSD | Material Support Date |
| MSSR | Monopulse Secondary Surveillance Radar |
| MTIP | Maintenance Training Improvement Plan |
| NA | Not Applicable |
| NALF | Naval Auxiliary Landing Field |
| NAS | Naval Air Station |
| NASMOD | National Airspace System Modernization Program |
| NATTC | Naval Air Technical Training Center |
| NAVAIRSYSCOM | Naval Air Systems Command |
| NAVPERSCOM | Naval Personnel Command |
| NAVSTA | Naval Station |
| NAWC | Naval Air Warfare Center |
| NAWCAD | Naval Air Warfare Center Aircraft Division |
| NAWS | Naval Air Weapons Station |
| NDI | Non-Developmental Item |
| NEC | Navy Enlisted Classification |
| NOLF | Naval Ordnance Launch Facility |

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LIST OF ACRONYMS

| | |
|--------------|---|
| NTSP | Navy Training System Plan |
| OJT | On-the-Job Training |
| OPO | OPNAV Principal Official |
| ORD | Operational Requirements Document |
| OSF | Operational Support Facility |
| OT&E | Operational Test and Evaluation |
| PDA | Program Developing Agent |
| PMA | Program Manager, Air |
| PME | Prime Mission Equipment |
| PQS | Personnel Qualification Standards |
| PSR | Primary Surveillance Radar |
| RATCF | Radar Air Traffic Control Facility |
| RFOU | Ready For Operational Use |
| RFT | Ready For Training |
| SPAWARSYSCEN | Space and Naval Warfare Systems Center |
| SRU | Shop Replaceable Unit |
| STARS | Standard Terminal Automation Replacement System |
| SSCC | SPAWAR Systems Center Charleston |
| SSS | Site Support Server |
| TATCF | Transportable Air Traffic Control Facility |
| TBD | To Be Determined |
| TCW | Terminal Controller Workstation |
| TD | Training Device |
| TECR | Training Equipment Change Requests |
| TFS | Total Force Structure |
| TOTS | Tower Operator Training System |
| TTE | Technical Training Equipment |
| VIDS | Visual Information Display System |
| WSDI | Wind Speed and Direction Indicator |

NATIONAL AIRSPACE SYSTEM MODERNIZATION PROGRAM

PREFACE

This Draft Navy Training System Plan (NTSP) for the National Airspace System Modernization Program (NASMOD) has been prepared in accordance with guidelines set forth in the Navy Training Requirements Documentation Manual, OPNAV Publication P-751-1-9-97. This document is the first iteration and incorporates the Standard Terminal Automation Replacement System (STARS), Visual Information Display System (VIDS), and Digital Airport Surveillance Radar (DASR) as defined in the NASMOD program.

The Enhanced Terminal Voice Switch (ETVS), an Air Traffic Control voice communications system, is not an integral part of the Navy NASMOD program and will not be discussed in this NTSP. Refer to the approved NTSP, N88-NTSP-A-50-9701/A, dated April 1999 for information concerning ETVS.

PART I TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Title-Nomenclature-Acronym. National Airspace System Modernization Program (NASMOD)

2. Program Elements

| | |
|--|----------|
| Digital Airport Surveillance Radar..... | 35114F |
| Visual Information Display System..... | 0204696N |
| Standard Terminal Automation Replacement System..... | 35137F |

B. SECURITY CLASSIFICATION

| | |
|--|--------------|
| 1. System Characteristics | Unclassified |
| 2. Capabilities | Unclassified |
| 3. Functions..... | Unclassified |

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

| | |
|---|--|
| OPNAV Principal Official (OPO) Program Sponsor..... | CNO (N78) |
| OPO Resource Sponsor | CNO (N78) |
| Marine Corps Program Sponsor..... | CMC (APC-5) |
| Developing Agency..... | NAVAIRSYSCOM (PMA213) |
| Training Agency | CINCLANTFLT (N721) CINCPACFLT (N77) CNET (ETE32) |
| Training Support Agency | NAVAIRSYSCOM (PMA205) |
| Manpower and Personnel Mission Sponsor | CNO (N12) NAVPERSCOM (PERS-4, PERS-404) |
| Director of Naval Training | CNO (N79) |
| Marine Corps Force Structure..... | MCCDC (C53) |

D. SYSTEM DESCRIPTION

1. Operational Uses. The DASR, STARS, and VIDS will be incorporated into the Navy's National Airspace System facilities as part of NASMOD program. Facilities identified to receive the NASMOD components include:

- All shore-based Navy and Marine Corps approach control facilities
- Air Traffic Control School, Maintenance Division at Naval Air Technical Training Center (NATTC) Pensacola, Florida
- Space and Naval Warfare Systems Center (SPAWARSYSCEN), Charleston, South Carolina

This modernization is based on the Department of Defense (DoD) commitment to keep pace with the Federal Aviation Administration (FAA) in the National Airspace System Modernization process. Use of the NASMOD components will allow DoD facilities to provide services comparable to those provided by the FAA to civil aircraft in the airspace delegated to DoD. This includes providing the following flight services to air bases and airports within the DoD jurisdiction: flight following, separation, expeditious handling, radar approach control, and landing. Coordination of the National Airspace System Modernization for FAA and DoD facilities is accomplished through the Joint Program Office, Electronic Systems Center, Air Force Material Command, Hanscom Air Force Base (AFB), Massachusetts.

2. Foreign Military Sales. For Air Force, Army, or FAA delivery schedules contact the Developing Agency, NAVAIRSYSCOM Program Manager, Air (PMA) 213.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. Developmental and operational testing are completed with the individual systems.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. NASMOD will replace the current AN/GPN-27 Radar with the AN/GPN-30 Digital Airport Surveillance Radar (DASR); the current Automation Systems (AN/TPX-42 and AN/UYX-1) with the AN/FSQ-204 Standard Terminal Automation Replacement System (STARS); and the current information displays with the AN/FYC-22 VIDS.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. NASMOD consists of three primary components: the AN/GPN-30 Digital Airport Surveillance Radar (DASR), the AN/FSQ-204 Standard Terminal Automation Replacement System (STARS), and the AN/FYC-22 VIDS.

a. Digital Airport Surveillance Radar. DASR will consist of an Antenna Pedestal Group, a Primary System Radar Group, and a System Control and Monitoring/Radar Data Processor.



(1) Antenna Pedestal Group

(a) Primary Antenna. The primary antenna will be a doubly curved reflector with two-beam feed and modified cosecant squared vertical pattern.

(b) Secondary Antenna. The secondary antenna is a high gain planar array, monopulse Large Vertical Aperture antenna which meets FAA vertical coverage, sharp cutoff below beam peak, and Mode-S compatible standards.

(c) Pedestal. The pedestal will have dual drive motors, making it possible to service the alternate motor in the event of failure and still maintain an operational radar. The pedestal also features dual 14-bit optical encoders with individual power supplies.

(2) Primary System Radar Group

(a) Primary System Radar Transmitter. The eight module, all solid-state, coherent transmitter with fault tolerant fail-soft architecture features air cooled, hazard-free, low voltage operation, dedicated power supplies for each module, and built-in fault isolation down to a single Line Replaceable Unit (LRU).

(b) Primary System Radar Receiver. The redundant target and weather receivers use identical radio frequency wide-band receivers and converters operating in the 2700 to 2900 megahertz range with sensitivity time controls programmable from 0 to 72 decibels in six decibel steps.

(c) Signal Data Processor. Dual redundant processors carry out identical tasks synchronously, such that should a processor fail, the failure is transparent to the system. The signal data processor features programmable digital pulse compression with range sidelobes below 50 decibels and preprogrammed and adaptive threshold clutter and beam maps.

(3) System Control and Monitoring/Radar Data Processor. These two functions co-exist on dual redundant workstations.

(a) System Control and Monitoring. Graphic windows of system configuration, system controls, and LRU status are displayed on the workstation color display. Operational controls are accessed via buttons on the various control screens; reconfiguration of the system is available at a single control point accessible to the logged-on maintenance operator with control enabled. All four workstations (two at the radar site and two remote) display the current system status, and all menus apart from adaptation data can be viewed on any of the workstations.

(b) Radar Data Processor. The radar data processor receives track data from the primary surveillance radar and plot data from the secondary surveillance radar. Merging of primary surveillance radar and monopulse secondary surveillance radar tracks takes place if tracks from the two sensors fall within set limits. The on-line radar data processor provides redundant outputs to the radar data remoting equipment in ASTERIX format.

b. Standard Terminal Automation Replacement System. STARS is also known as the DoD Advanced Automated System (DAAS) in the FAA community, but for this document it will be referred to as STARS. STARS will provide a system that maximizes the use of Commercial Off-The-Shelf (COTS) items and Non-Developmental Items (NDI). STARS will provide a fully digital, fault tolerant, high availability system to support essential FAA and DoD Air Traffic Control (ATC) services. STARS is equipped with a single scaleable hardware and software system for all terminal facilities, plus an expandable and extensible platform to support future workloads. User benefit programs are also provided. STARS will improve the efficiency of controllers and maintenance technicians.



(1) Radar Data Processor. The Radar Data Processor (RDP) has two redundant processors (one on-line and one hot standby) mounted in the equipment room rack and interfaced to Full Service Level (FSL) Local Area Networks (LAN). The processor size depends on the number of radar systems: Sun Ultra 1 Model 170 for 0-3 radar systems (small), Sun Ultra 1 Model 200E for 4-13 radar systems (medium), and Sun Ultra 2 Model 1300 for 14-16 radar systems (large). System software handles radar data inputs, processes flight data, and maintains and monitors system tracks.

(2) Terminal Controller Workstation. The Terminal Controller Workstation (TCW) consists of one Full Service (FS) Display Processor, one Emergency Service (ES) Display Processor, and one Display Controller-Server mounted in the TCW Console. The ES Display Processor and Controller-Server is the Sun Ultra 1 Model 170. The FS Display Processor depends on the number of radar systems: Sun Ultra 1 Model 170 for 0-3 radar systems (small), Sun Ultra 1 Model 200 for 4-8 radar systems (medium), and Sun Ultra 2 Model 1300 for 9-16 radar systems (large).

(3) Tower Display Workstation. The Tower Display Workstation consists of one FS Display Processor, one ES Display Processor, and one Display Controller-Server mounted in the tower equipment room rack. The ES Display and Controller-Server is the Sun Ultra 1 Model 170E. The FS Display Processor depends on the number of radar systems: Sun Ultra 1 Model 170 for 0-8 radar systems (small) and Sun Ultra 1 Model 200E for 9-16 radar

systems (large). Interface to remote towers (greater than 5,000 feet from parent facility) via two or four Government-Furnished Equipment lines.

(4) Monitor and Control Workstation. The Monitor and Control Workstation (MCW) consists of one FS Display Processor, one ES Display Processor, and one Display Server mounted in the MCW computer table in the equipment room. All processors are Sun Ultra 1 Model 200E. The MCW has one standard 21-inch 1024 x 1280 Cathode Ray Tube (CRT) display. The MCW provides control and monitoring display for control system operation, system status display and/or update, system message display, and control playback of recorded system data.

(5) General Purpose Workstation. The General Purpose Workstation (GPW) consists of one Sun Ultra 1 Model 170 with integrated graphics controller, one standard 21-inch 1024 x 1280 CRT display, and a Pseudo-pilot GPW for Pseudo-pilot position assigned training scenario flights to control in response to trainee position controller directions. Contract quantities provide for one Pseudo-pilot for each training TCW.

(6) Test and Training Simulator. The Test and Training Simulator consists of the Sun Ultra 1 Model 200E, and communicates with Pseudo-pilot GPWs via the supporting LAN. The Simulator creates simulated system inputs from scenario generation tools for use by FSL and ESL to aid in certification, test, and training of controllers. The Simulator has optional voice recognition and synthesis capability.

(7) Site Support Server. The Site Support Server (SSS) consists of the Sun Ultra 1 Model 200E with archival tape storage. Sites with less than three radar systems will have five Gigabit Digital Audio Tape (GB DAT), and sites with three or more radar systems will have 30 Gigabit Digital Linear Tape (GB DLT). SSS provides storage of Site Adaptation Data Files.

(8) Data Recording Equipment. The Data Recording Equipment (DRE) has two redundant Sun Ultra 1 Model 200E processors (one on-line and one hot standby), each with two tape drives. Each tape drive can record at least 24 hours of system data. Sites with less than three radar systems will have five GB DAT and sites with three or more radar systems will have 30 GB DLT.

(9) Peripheral Equipment

(a) Printer. The printer is the HP LaserJet 4MV, 16ppm, and 600dpi.

(b) Equipment Racks. Equipment racks come in two sizes, 6-foot and 3.5-foot racks. They are made of steel with a Plexiglas front door, and include a steel rear-access door. They are equipped with two independent, Alternating Current power feeds with Power Conditioning Units (PCU). The six-foot rack dimensions are 73.62" High (H) x 22.56" Wide (W) x 31.56" Deep (D) for the full service rack assembly and the local tower processor rack

assembly. The 3.5-foot rack dimensions are 43.87” H x 22.56” W x 31.56” D for the workstation hub rack assembly, and the remote tower processor and automation rack assembly.

(10) Communications Gateway Equipment. The Communications Gateway Equipment (CGE) has dual redundant Sun Ultra 1 Model 170 processors (two each for ESL and FSL). Modem Sharing Units (MSU) split Air Route Traffic Control Center (ARTCC), Enhanced Traffic Management System (ETMS), and radar inputs for redundant ESL and FSL equipment (radar only for ESL). Processing includes Radar and ARTCC message validation and processing, Radar data rho-theta filtering, and multi-scan radar correlation.

(11) Network Equipment. Network equipment utilizes Ethernet LAN (both 100 and 10 Mbps) over twisted pair and/or fiber optics, plus a combination of switches, hubs, and routers. Units are stackable; the modular design allows for addition of components for specific site configurations. The units act as Server Network Management Protocol agents reporting to STARS monitor and control. Firewalls and routers provide network security.

c. Visual Information Display System. VIDS is a Commercial Off-The-Shelf network integration of many small systems used in an ATC facility. VIDS is a client server-based system integrating multiple information systems into a Touch Entry display for each operating position in ATC facilities.



| Standard Information (SRVA) | | | | |
|--|---------------|--|-----------|--------------------|
| Dir. Span | Instantaneous | Spd. Span | Altimeter | Time |
| 190 - 250 | 250/7 | 2 - 9 | 30.13 | 21:47:17Z |
| WB2 2 | A B C | No alerts pending | | TP: 35 Size 17:47L |
| AUTO 00000KT 24/23 A3013 | | | | DP: 22 M 10:56Z |
| Windbird Site/Mode | | | | |
| Center Field | WB4 | Site | | |
| 040/7 | OFF | <input type="radio"/> Center Field <input checked="" type="radio"/> WB2 <input type="radio"/> WB3 <input type="radio"/> WB4 <input type="radio"/> WB5 <input type="radio"/> ASOS Direct | | |
| 040/7 | OFF | Mode | | |
| 040/7 | OFF | <input type="radio"/> Instantaneous <input checked="" type="radio"/> 2 minute <input type="radio"/> 10 minute | | |
| WB2 | WB5 | OK | | |
| 250/7 | OFF | | | |
| 230/5 | OFF | | | |
| 230/5 | OFF | | | |
| WB3 | ASOS Direct | | | |
| OFF | 040/7 | | | |
| OFF | 040/7 | | | |
| OFF | 040/7 | | | |
| VIDS Main Menu - Computer: WS08 - Field: Open. | | | | |
| AC | RD/SV | 19L | 12 | Video |
| ASOS | Log | FDIO | Tower | Radar |
| Info | | | | |

VIDS uses redundant file servers with hubs, workstations, video integration components, audio components, 100BaseT Ethernet, and fiber optics to interface and manage all the system data. The network operating system is Windows NT 4.0. The display software was developed to support the requirements of each system interfacing with VIDS to maximize the information available to the user.

VIDS will consolidate the processing, control, and display of information for the following systems:

- ID-2446/U Master Wind Speed and Direction Indicator (WSDI)
- ML-661/F Digital Altimeter Setting Indicator (DASI)
- AN/FSA-7 Airfield Lighting Control System (AFLCS)
- Automated Terminal Information System (ATIS)
- SG-1064 Facility Time Code Generator (TCG)
- Automated Surface Observation System (ASOS)
- AN/GMQ-27 Weather Vision and/or Meteorological Information Distribution System (MIDS)
- FA-10095 FAA FDIO
- Remote Video Cameras
- Air Traffic Activity Analyzer (ATAA)

VIDS will replace the following system components in the control tower:

- ID-2447A/U Slave WSDIs
- ID-2423/F DASI Displays
- AN/FSA-7 AFLCS display, keyboard, trackball, and the Central Processor Unit (CPU)
- ATIS System
- ID-2384G and ID-2396 Clock Displays
- Weather Vision/MIDS Display
- FA-10095 FDIO, display, keyboard, and printer
- Remote Video Camera Displays and Controls
- ATAA display, keyboard, and printer

VIDS will automate the following control tower administrative functions using a centralized database:

- Daily Operations Log - FAA Form 7230-4
- Position Log - FAA Form 7230-10
- ATAA

2. Physical Description

a. Digital Airport Surveillance Radar. The DASR system includes the Prime Mission Equipment (PME) and facilities. The DASR PME includes the Primary Surveillance Radar (PSR) with weather channels, Monopulse Secondary Surveillance Radar (MSSR), PSR and MSSR antennas, operator maintenance terminals, surveillance data displays, modems, and surveillance data translators, with video display control units. The facilities are the tower, equipment shelter, power distribution system, uninterruptible power supply, engine generator, and interconnecting cabling. Ancillary equipment includes the PSR moving target indicator with towers and housing, the MSSR remote systems monitor with tower, housing, and local and remote control panels.

| COMPONENT | LENGTH (FEET) | WIDTH (FEET) | HEIGHT (FEET) | WEIGHT (POUNDS) |
|------------------------|------------------|-----------------|------------------|--------------------|
| Engine-Generator Set | 12 | 15 | 10 | 41,000 |
| Pre-fabricated Shelter | 30 | 12 | 10 | 82,000 |

Note: The physical dimensions of the remaining components will be added in future updates to this NTSP, as information becomes available.

b. Standard Terminal Automation Replacement System. The physical size of each STARS component is not available at this time. However, all equipment will fit within the two different size equipment racks provided. SPAWARSYSCEN Charleston conducted a site survey of the schoolhouse at NATTC Pensacola during Fiscal Year (FY) 99 to determine the physical constraints associated with the classroom and lab space to be used for the STARS maintenance course. The results are not yet available.

c. Visual Information Display System. VIDS contains a Standard Information Window that provides basic safety of flight information to the controller. This information is provided by live sensor data from the incorporated air traffic control systems. The Standard Information Window is normally located at the top of the Air Traffic Controller's display, and can be sized using the "Size" button to suit the operator's preference. Due to the critical nature of the information displayed, no other system window can cover the Standard Information Window.

VIDS also displays a main menu bar that provides a central point for the user to perform commonly occurring operations. It consists of a set of 11 buttons and is located near the bottom of the controller's display.

3. New Development Introduction. The NASMOD components are NDI, consisting of modified COTS equipment.

4. Significant Interfaces. The DASR will interface with the existing Navy Beacon System to obtain status and target plot outputs. The DASR will also interface with the STARS and the VIDS when they are introduced to the fleet.

5. New Features, Configurations, or Material. Not Applicable (NA)

H. CONCEPTS

1. Operational Concept. Operator duties for the NASMOD components consist of energizing and de-energizing the equipment. These actions will be performed by Navy Air Traffic Controllers (AC) with Navy Enlisted Classification (NEC) 6901, Marine Corps personnel with Military Occupational Specialty (MOS) 7257 or 7291, and civilian DoD personnel assigned to the Air Operations Department.

2. Maintenance Concept. The NASMOD components will be maintained using a two level maintenance concept, organizational and depot.

a. Organizational. Navy personnel in the Electronics Technician (ET) rating with NEC 15XX and Marine Corps personnel with MOS 5953 will perform on-site organizational level maintenance. This will include fault isolation and troubleshooting prime mission equipment as well as any required servicing, aligning, cleaning, and lubricating.

(1) Preventive Maintenance. Preventive maintenance consists of periodic inspections and servicing per applicable Maintenance Requirements Cards. Most preventive maintenance will be accomplished with the components in the operational state and without degrading system performance. Cleaning and lubrication of the rotary joint slip ring of the DASR will require that the system be shut down.

(2) Corrective Maintenance. Corrective maintenance will include on-equipment and off-equipment maintenance actions. On-equipment maintenance consists of fault isolation and removal and replacement of faulty LRUs in an operational environment. Off-equipment maintenance will include limited repair of Shop Replaceable Units (SRU) when failures can be isolated using Built-In Test and limited support equipment and technical data.

b. Intermediate. NA

c. Depot. Depot maintenance will consist of repairing failed LRUs and SRUs down to the piece part level. Depot maintenance may also include emergency maintenance, engineering support, and other logistics support not available at the organizational level. Initially, the contractor will provide all depot level maintenance functions. The FAA intends to establish an organic depot at the FAA Logistics Center in Oklahoma City, Oklahoma, for all DoD and FAA DASR systems by FY05.

d. Interim Maintenance

1. DASR. The contractor (Raytheon) will provide Interim Contractor Support (ICS). Future plans for parts acquisition via the Federal Aviation Administration Logistics Center (FAALC) 24-hour help desk are in place. The sites will contact the ISEA or the FAALC To Be Determined (TBD) for technical assistance.

2. STARS. The FAA depot is scheduled to be established by November 2001 and thus no interim support is anticipated to be required for Navy sites. STARS will have a one-year warranty that will be in effect after system acceptance from Raytheon at SPAWAR Systems Center Charleston (SSCC).

3. VIDS. SSCC will provide VIDS interim maintenance support.

e. Life Cycle Maintenance Plan. TBD

3. Manning Concept. Introduction of the NASMOD components will have no impact to the current manning levels for operators or maintainers in the Navy and Marine Corps. The Navy will establish a new NEC, *ET-15XX - DASR/STARS Maintenance Technician*. ET personnel currently having NEC 1574, 1578, or 1580 will initially fill these billets.

4. Training Concept. The object of the DASR/STARS training is to provide trained DASR/STARS maintenance technicians and operators to shore-based Navy and Marine Corps approach control facilities. The contractor will provide initial training for Operational Test and Evaluation (OT&E) personnel, site installation team members, and other key personnel. Initial maintenance training will be provided to NATTC Pensacola instructors concurrent with the installation of the first set of Technical Training Equipment (TTE). Follow-on DASR/STARS maintenance training for Navy ETs will be accomplished by developing a new DASR/STARS maintenance training track, *C-103-XXXX, DASR/STARS Maintenance Technician Pipeline*, which will be phased-in over a five-year period beginning in May 2002. The following three existing courses will be phased-out on a parallel schedule:

- *C-103-2060, AN/GPN-27 Radar Maintenance Technician Pipeline*
- *C-103-2051, AN/TPX-42A(V)10 RATCF DAIR Maintenance Technician Pipeline*
- *C-103-2053, AN/TPX-42A(V)5 DAIR Maintenance Technician Pipeline*

The current Marine Corps pipeline, *C-103-2080, Marine Air Traffic Control Radar Technician Pipeline*, will not change with the introduction of the NASMOD components.

The established training concept for most aviation maintenance training divides “A” School courses into two or more segments called *Core* and *Strand*. Many organizational level “C” School courses are also divided into separate *Initial* and *Career* training courses. “A” School *Core* courses include general knowledge and skills training for the particular rating, while “A” School *Strand* courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student’s fleet activity destination. *Strand* training immediately follows *Core* training and is part of the “A” School. Upon completion of *Core* and *Strand* “A” Schools, graduates going to organizational level activities attend the appropriate

Initial “C” School for additional specific training. *Initial “C” School* training is intended for students in paygrades E-4 and below. *Career “C” School* training is provided to organizational level personnel, E-5 and above, to enhance skills and knowledge within their field. (“A” School graduates going to intermediate level activities attend the appropriate intermediate level “C” School. Intermediate level “C” Schools are not separated into *Initial* and *Career* courses.)

a. Initial Training. Initial basic operator and maintenance training will be accomplished during installation at each site. This two-day installation and checkout course will focus on the Software User’s Guide and On-the-Job Training (OJT) for STARS and VIDS.

(1) Operational Test and Evaluation Training. This training consisted of the DASR Site Maintenance Course with a two-week add-on. It was structured to specifically support the government’s objectives for conducting OT&E.

| | |
|---------------------|--|
| Title | Operational Test and Evaluation Course |
| Description | This training focuses on the skills needed to conduct government OT&E. |
| Location | Raytheon Canada Limited, Waterloo |
| Length | 9 weeks |
| RFT date | January 1999 |
| Prerequisites | ET 1580 |

(2) Installation Training. System installation training for SPAWARSYSCEN personnel was conducted as follows:

| | |
|--------------------|---|
| Title | Installation and Checkout Course |
| Description | This course provides DASR installation topics, including: <ul style="list-style-type: none"> ◦ Preparation, installation, and checkout of the shelter and antenna foundations ◦ Normal and emergency power requirements ◦ Inter-site cabling ◦ Use of technical documents ◦ System assembly and installation ◦ DASR test and checkout ◦ Government-Furnished Equipment to Contractor-Furnished Equipment interface |
| Location | Raytheon Canada Limited, Waterloo |
| Length | 2 weeks |
| RFT date | July 2000 |

Prerequisites DASR Site Maintenance Course

(3) Maintenance Training. Initial maintenance training was conducted as follows:

| | |
|----------------------------|--|
| Title | DASR Site Maintenance Course |
| Description | This course provides the skills and knowledge required to perform both on-equipment and off-equipment organizational level maintenance on the DASR, including: <ul style="list-style-type: none">◦ System operation◦ Preliminary operational checks◦ Periodic performance checks◦ Routine maintenance◦ Replacement of faulty components◦ Alignment procedures◦ Interpreting diagnostic flow charts |
| Location | Raytheon Canada Limited, Waterloo |
| Length | 7 weeks |
| RFT date | January 1999 |
| Prerequisites | <ul style="list-style-type: none">◦ Navy: ET 1580◦ Marine Corps: MOS 5953 |

(4) Operator Training. Operator training for ACs and Marine Corps personnel with MOS 7257 or 7291 is being accomplished using Computer-Based Training (CBT). This simulator software is provided to each site during DASR installation. The course takes approximately four to eight hours to complete and can be run on any Personal Computer with the following specifications: 486 or higher, Windows 95 or higher, 16 megabytes RAM, and a monitor with a resolution of 1024 x 768 using small fonts.

b. Follow-on Training. A training videotape and copies of all contractor training materials will be delivered to the Navy for use in course development.

(1) Operator. NATTC Pensacola trains Navy and Marine Corps Air Traffic Controllers for the fleet. The current Air Traffic Controller (AC) “A1” and Advanced Radar Air Traffic Control (ARATC) “C” school classroom curricula will require updating as VIDS is deployed to Navy and Marine Corps ATC facilities. More importantly, the AC “A1” Tower Operator Training System (TOTS) laboratories and the ARATC “C” school laboratory will require installation of a VIDS-like Training Device (TD) to properly support training requirements. This TD must be capable of interfacing with existing 15G31 (for ARATC) and

15G32 for AC “A1” TOTS. This installation should occur at the same time that approximately 50 percent of the Navy and Marine Corps ATC Facilities are equipped with VIDS (FY03).

Navy personnel in the AC rating and Marine Corps operators earn NEC 6901 and MOS 7257, respectively, upon completion of advanced air traffic control schools and certification to perform required tasks. When VIDS and STARS have been installed at 50 percent of the Navy and Marine Corps ATC facilities in the fleet, the current advanced “C” school course will begin training the VIDS and STARS as a stand-alone course, and phase-out the existing course. Since VIDS and STARS are an upgrade and consolidation of existing functions that an operator would normally perform, there will be no requirement for a new operator NEC or MOS.

The following ATC courses are available for Navy and Marine Corps operators. These courses will be modified and stand-up when fleet ATC facilities are 50 percent operational with VIDS and STARS. Training Equipment Change Requests (TECR) #N42146-99-2546 and 2547 have been submitted but have not been funded at this time.

| | |
|------------------------|---|
| Title | Air Traffic Controller |
| CIN | C-222-2010 |
| Model Manager | NATTC Pensacola |
| Description | <p>This course provides Navy and Marine Corps personnel with the basic tower and radar control technical knowledge and skills to meet FAA requirements and certification, including:</p> <ul style="list-style-type: none"> ◦ Basic simulated operational application experiences ◦ FAA certification study material ◦ Control tower operations ◦ Terminal radar procedures ◦ Base operations <p>Upon completion, the student will have the knowledge to perform as an apprentice Air Traffic Controller in a base operations, control tower, or terminal radar environment.</p> |
| Location | NATTC Pensacola |
| Length | 110 days |
| RFT date | Currently available |
| Skill identifier | None |
| TTE/TD | A VIDS-like TD is necessary in the TOTS laboratories, capable of interfacing with existing 15G32 TD. TECR #N42146-99-2547 was submitted in August 1999 and remains unfunded. |

Prerequisites
 ° Must be medically fit in accordance with Standard Form 88 and NAVMED 6410/2.
 ° Security Clearance: Marine Corps personnel must be eligible for Secret.

Title Advanced Radar Air Traffic Control

CIN C-222-2022

Model Manager NATTC Pensacola

Description This course provides selected Air Traffic Control personnel with advanced knowledge in airspace management, navigational equipment, basic knowledge in Terminal Instrument Approach Procedures (TERPS), and the technical knowledge and practical application of procedures used at various control positions of a Radar Air Traffic Control Facility. Training includes:

- ° Advanced classroom and laboratory instruction in airspace management
- ° Fleet Area Control and Surveillance Facility (FACSFAC)
- ° Naval Air Traffic Control
- ° Air Navigation Aids and Landing System (NAALS)
- ° Air Installation Compatible Use Zone (AICUZ)
- ° OD-58 indicator/DAIR indoctrination
- ° Radar/non-radar rules, regulations, and application

Upon completion, the student will be able to perform the duties of an Air Traffic Control Specialist.

Location NATTC Pensacola

Length 26 days

RFT date
 Currently available

Skill identifier
 ° AC 6901
 ° MOS 7257

TTE/TD A VIDS-like TD is necessary in the ARATC “C” school laboratory, capable of interfacing with existing 15G31 TD. TECR #N42146-99-2546 was submitted in August 1999 and remains unfunded. A STARS simulator will be used as TD.

- Prerequisites ◦ C-222-2010, Air Traffic Controller
 ◦ Individual must possess a NAVMED 6410/2 Clearance
 ◦ Marine Corps personnel must be eligible for a Secret clearance.

(2) Maintainer. NATTC Pensacola currently has two maintenance technical pipelines that will become obsolete once VIDS and STARS are deployed to Navy and Marine Corps ATC facilities. A new STARS Maintenance Technician Pipeline will stand up and a new NEC established to support VIDS/STARS training requirements. The current NECs for the Basic Direct Altitude and Identity Readout (DAIR) and Radar Air Traffic Control Facility (RATCF) DAIR systems will be gradually phased-out as VIDS and STARS are installed at ATC facilities. Marine Corps personnel with MOS 5953 will attend the Navy maintenance training courses at NATTC Pensacola, as requirements dictate. A new MOS will not be required.

| | |
|------------------------|---|
| Title | AN/TPX-42(V)5 DAIR Maintenance Technician Pipeline |
| CIN | C-103-2053 |
| Model Manager | NATTC Pensacola |
| Description | <p>This course provides training for the Electronics Technician, including:</p> <ul style="list-style-type: none"> ◦ Introduction to Air Traffic Control maintenance ◦ Electronics safety ◦ 3-M ◦ Air Traffic Control Systems interface ◦ Microwave devices ◦ Radar theory ◦ Synchro/servo fundamentals ◦ Numbering systems and basic logic ◦ Semiconductor and digital theory ◦ Memory devices ◦ AN/UYX-1 (V) and AN/TPX-42A (V) 5 ◦ System troubleshooting and maintenance <p>Upon completion, the student will be able to perform Air Traffic Control equipment maintenance under limited supervision.</p> |
| Location | NATTC Pensacola |
| Length | 70 days |
| RFT date | Currently available |
| Skill identifier | ET 1574 |

TTE/TD Basic DAIR System

Prerequisites A-100-0140, ET Strand “A” School or equivalent fleet experience

Title AN/TPX-42(V)10 RATCF DAIR Maintenance Technician Pipeline

CIN C-103-2051

Model Manager NATTC Pensacola

Description This course provides training for the Electronics Technician, including:

- Introduction to Air Traffic Control maintenance
- Electronics safety
- 3-M
- Air Traffic Control Systems interface
- Microwave devices
- Radar theory
- Synchro/servo fundamentals
- Numbering systems and basic logic
- Semiconductor and digital theory
- Memory devices
- AN/UYX-1 (V) and AN/TPX-42A (V) 10
- System troubleshooting and maintenance

Upon completion, the student will be able to perform Air Traffic Control equipment maintenance under limited supervision.

Location NATTC Pensacola

Length 89 days

RFT date Currently available

Skill identifier ET 1578

TTE/TD RATCF DAIR System

Prerequisites A-100-0140, ET Strand “A” School or equivalent fleet experience

| | |
|-------------------------------|--|
| Title | AN/GPN-27 Radar Maintenance Technician Pipeline |
| CIN | C-103-2060 |
| Model Manager | NATTC Pensacola |
| Description | <p>This course provides training for the Electronics Technician, including:</p> <ul style="list-style-type: none"> ◦ AN/GPN-27 Airport Surveillance Radar System maintenance ◦ Use and operation of appropriate test equipment ◦ Alignment and adjustment ◦ System alarm and fault logic circuits ◦ Command processor and memory ◦ Controller circuits ◦ Transmitter ◦ Normal and Moving Target Indicator Video Receiver ◦ Receiver and video processor ◦ Planned Position Indicator Maintenance ◦ Remote site equipment ◦ Power supplies ◦ Antenna and waveguide system <p>Upon completion, the student will be able to perform the duties of an AN/GPN-27 Radar Maintenance Technician under limited supervision.</p> |
| Location | NATTC Pensacola |
| Length | 101 days |
| RFT date | Currently available |
| Skill identifier | ET 1580 |
| TTE/TD | The AN/GPN-27 Radar system is used as TTE. |
| Prerequisites | A-100-0140, ET Strand “A” School or equivalent fleet experience |

Title **Marine Air Traffic Control Radar Technician Pipeline**

CIN C-103-2080

Model Manager NATTC Pensacola

Description This course provides training for the Electronics Technician, including:

- Miniature component repair
- Initialization and analysis
- Electronic theory and technology
- Analog and digital circuit analysis
- Maintenance, safety, and troubleshooting procedures
- AN/TPN-22 Precision Approach Radar System
- AN/UYQ-34(V) Processor Display System
- AN/TSQ-131(V) System
- AN/TPS-73 ASR System

Upon completion, the student will be able to perform the duties of a Marine Air Traffic Control Radar Technician under limited supervision.

Location NATTC Pensacola

Length 247 days

RFT date Currently available

Skill identifier MOS 5953

TTE/TD NA

Prerequisites C-100-2019, Marine Air Traffic Control Basic Technician

Note: VIDS and STARS will be used as TTE for the VIDS and STARS maintenance course that replaces the DAIR and RATCF courses. The installation of the TTE is scheduled for second quarter FY00 for the first system and FY04 for the second system.

c. Student Profiles

| SKILL IDENTIFIER | PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS |
|-------------------------|--|
| AC 6901 | C-222-2010, Air Traffic Controller |
| ET 1574 | <ul style="list-style-type: none"> ◦ A-100-0140, ET Strand “A” School ◦ A-100-0138, ET Core “A” School |

| SKILL IDENTIFIER | PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS |
|-------------------------|--|
| ET 1578 | <ul style="list-style-type: none"> ° A-100-0140, ET Strand “A” School ° A-100-0138, ET Core “A” School |
| ET 1580 | <ul style="list-style-type: none"> ° A-100-0140, ET Strand “A” School ° A-100-0138, ET Core “A” School |
| MOS 5953 | <ul style="list-style-type: none"> ° C-100-2020, Avionics Common Core Class A1 ° C-100-2019, Marine Air Traffic Control Basic Technician ° C-103-2026, Miniature Component Repair ° C-103-2080, Marine Air Traffic Control Radar Technician Pipeline ° C-103-2072, Marine Air Traffic Control Technician Common Core Course |
| MOS 7257 | <ul style="list-style-type: none"> ° C-222-2010, Air Traffic Controller |

d. Training Pipeline

Title **DASR/STARS Maintenance Technician Pipeline**
CIN C-103-XXXX
Model Manager .. NATTC Pensacola
Description This pipeline provides training in the maintenance of the DASR and the STARS.
Location NATTC Pensacola
Length 16 weeks (approximately)
RFT date May 2002
Skill identifier ET 15XX
TTE/TD DASR will be installed in October 2001.
Prerequisites

- ° A-100-0138, Electronics Technician Core A School
- ° A-100-0139, Advanced Electronics Technical Core
- ° A-100-0147, Electronic Technician Radar A School Strand

Note: The DASR/STARS Maintenance Technician Pipeline will consist of the following courses:

- C-103-2045, Air Traffic Control Maintenance Preparatory
- C-103-2026, Miniature Component Repair
- C-103-XXX2, AN/FAC-6(V)2 Fiber Optic Inter-site Maintenance
- C-103-XXXX, DASR Maintenance

- C-103-2XXX, STARS Maintenance

NEC 15XX will be awarded once all NASMOD equipment and curriculum is in place at NATTC Pensacola to support the establishment of the new maintenance training pipeline.

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. Maintenance Training Improvement Program (MTIP) is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP was implemented per OPNAVINST 4790.2 series. MTIP will be replaced by the Aviation Maintenance Training Continuum System (AMTCS). Current planning is for AMTCS to begin full implementation for fleet deployment in March 2001.

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS is planned to be an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. By capitalizing on technological advances and integrating systems and processes where appropriate, the right amount of training can be provided at the right time, thus meeting the CNO's mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: CBT for the technicians in the Fleet in the form of Interactive Courseware (ICW) with Computer Managed Instruction (CMI) and Computer Aided Instruction (CAI) for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module (ASM) which provides testing [Test and Evaluation (TEV)], recording [Electronic Training Jacket (ETJ)], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List (MTL) data bank. These tools are procured and fielded with appropriate COTS hardware and software, i.e., Fleet Training Devices (FTD) - Laptops, PCs, Electronic Classrooms (ECR), Learning Resource Centers (LRC), operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS is to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs. AMTCS

implementation will begin with the F-14, E-2C, and all models F/A-18 aircraft. For more information on AMTCS refer to PMA205-3D3.

2. Personnel Qualification Standards. Personnel Qualification Standards (PQS) are not envisioned for STARS and VIDS maintenance technicians, or Air Traffic Controllers. The PQS Development Group, Naval Education and Training Professional Development and Technology Center, Pensacola, Florida, will update PQS for maintenance personnel with the DASR information provided by NATTC Pensacola.

3. Other Onboard or In-Service Training Packages. The NASMOD information will be integrated into existing operator OJT packages. Each of the Navy and Marine Corps approach control facilities has an OJT program that has been custom-tailored to their operational requirements and physical airfield layout.

Marine Corps onboard training is based on the current series of MCO P4790.12, Individual Training Standards System and the MATMEP. These programs are designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 series, maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be enhanced with refresher training. MATMEP will be replaced by the AMTCS.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

| CONTRACT NUMBERS | MANUFACTURER | ADDRESS |
|---------------------------------------|--|--|
| F19628-96-D-0038 DTFA01-96-D-03008 | Raytheon Company Electronic Systems | 1001 Boston Post Road Marlboro, MA 01752-3789 |

2. Program Documentation. NA

3. Technical Data Plan. The contractor will design technical manuals that provide the full range and depth of coverage to support the NASMOD components. The Operations and Maintenance Manual will describe the integration of all NDI and COTS equipment into a single system. The Field Installation Manual will provide the procedures and information required for non-turnkey installation by SPAWARSYSCEN personnel at all Navy and Marine Corps facilities. Two sets of these manuals (paper and CD-ROM) will be delivered with each system along with one set of commercial manuals for all NDI and COTS equipment used. The Planned Maintenance

System will be developed by SPAWARSYSCEN and will consist of Maintenance Index Pages and Maintenance Requirements Cards.

4. Test Sets, Tools, and Test Equipment. A Lifting Beam and a Tilting Adjuster manufactured by Cossor Electronics Limited are both required for removal and tilt adjustment of the Secondary Surveillance Radar Antenna. Currently, the FAA plans to procure only one of each and to store these items at the FAA Logistics Center in Oklahoma City. This will require the DASR sites to requisition this equipment each time it is needed. Due to Navy peculiar requirements it may be necessary to purchase two subsets of this equipment so that the Navy can retain one subset on each coast. There is also a Mono-pulse Beacon Test Set that is being acquired for the purpose of certifying the Mono-pulse Secondary Surveillance Radar for operation in the National Airspace System. Acquisition of the Mono-pulse Beacon Test Set is still under contract. Refer to element IV.A.1 for further information.

5. Repair Parts. Onboard critical item spares will be provided during installation; interim supply support will be provided by SPAWARSYSCEN Charleston, to ensure repair part support, initial, interim, and follow-on secondary item spares are budgeted. A Material Support Date (MSD) for each NASMOD component will be established and supply support, will transition to the Naval Inventory Control Point Philadelphia, Pennsylvania.

6. Human Systems Integration. Since the NASMOD components are an NDI, modified COTS acquisition, it will be difficult to change the current design of the system. Human Systems Integration will be utilized during evaluation of current facilities and new construction to take into account human engineering and equipment accessibility, and provide working clearance and space as required by safety regulations.

K. SCHEDULES

1. Installation and Delivery Schedules. The installation schedule below shows either completed or proposed dates. Proposed dates may change based on design changes and equipment availability.

| LOCATION | VIDS | STARS | DASR |
|------------------------|------|-------|------|
| NAWC St. Inigoes (OSF) | 1999 | 2000 | NA |
| NATTC Pensacola (1) | 2000 | 2001 | 2001 |
| NATTC Pensacola (2) | 2001 | 2005 | 2005 |
| SPAWARSYSCEN | 1999 | 2001 | 2001 |
| NAS Meridian | 2000 | 2004 | 2004 |
| NAS Norfolk | 2001 | 2001 | NA |
| NAS Norfolk (Helo) | 2001 | 2001 | NA |

| LOCATION | VIDS | STARS | DASR |
|---------------------------|-------------|--------------|-------------|
| MCAS Camp Pendleton | 2001 | 2001 | NA |
| NAS Oceana | 2001 | 2002 | 2002 |
| NAS Pensacola | 2000 | 2003 | 2003 |
| NAS JRB Fort Worth | 2001 | 2005 | 2005 |
| NAS Willow Grove | 2002 | 2002 | 2001 |
| MCAS Kaneohe Bay | 2002 | 2002 | 2002 |
| NAS Whidbey Island | 2002 | 2002 | 2002 |
| NAS Patuxent River | 2002 | 2002 | 2002 |
| MCAS Beaufort | 2002 | 2002 | 2002 |
| NALF San Clemente Island | 2002 | 2002 | 2002 |
| NAS Kingsville | 2006 | 2003 | 2003 |
| NALF Orange Grove | 2006 | 2003 | NA |
| NAS Whiting Field | 2004 | 2003 | 2003 |
| MCAS Iwakuni | 2003 | 2003 | 2003 |
| NAS Corpus Christi | 2004 | 2004 | 2004 |
| NAS Lemoore | 2004 | 2004 | 2004 |
| NAS North Island | 2006 | 2005 | 2005 |
| NOLF Imperial Beach | 2006 | 2005 | NA |
| NALF Cabaniss | 2004 | 2003 | NA |
| NALF Waldron | 2004 | 2003 | NA |
| NOLF Choctaw | 2003 | NA | NA |
| MCAS Cherry Point | 2004 | 2003 | 2003 |
| MCAS New River | 2003 | 2003 | 2003 |
| NAS Jacksonville | 2005 | 2004 | 2004 |
| NAS New Orleans | 2006 | 2004 | 2004 |
| MCAS Yuma | 2004 | 2004 | 2004 |
| MCAS Miramar | 2005 | 2006 | NA |
| NOLF Joe Williams (Bravo) | 2003 | NA | NA |

| LOCATION | VIDS | STARS | DASR |
|-------------------------|-------------|--------------|-------------|
| NOLF Whitehouse | 2005 | NA | NA |
| NALF Webster | 2002 | NA | NA |
| NAS Fallon | 2006 | 2005 | 2005 |
| NAWS Point Mugu | 2005 | 2005 | 2005 |
| NAS Brunswick | 2008 | 2005 | 2005 |
| NAS Key West | 2003 | 2005 | 2006 |
| MCAS Futenma | 2008 | 2006 | 2006 |
| NAVSTA Mayport | 2008 | 2006 | 2006 |
| NS Roosevelt Roads | 2008 | 2006 | 2006 |
| MCAF Quantico | 2008 | 2006 | 2006 |
| NAVSTA Rota | 2006 | 2006 | 2006 |
| NAS Keflavik | 2008 | 2006 | 2007 |
| NOLF San Nicolas Island | 2005 | NA | NA |
| NAS El Centro | 2009 | 2007 | 2007 |
| PMRF Barking Sands | 2003 | 2007 | NA |
| NSF Diego Garcia | 2003 | 2007 | NA |
| NAVSTA Guantanamo Bay | 2003 | 2007 | NA |
| NAWC Lakehurst | 2003 | NA | NA |
| NAWS China Lake | 2003 | 2007 | NA |
| SPAWARSYSCEN Trailers | 2007 | 2006 | NA |

2. Ready For Operational Use Schedule. The NASMOD Components will be ready for operational use after successful installation, test, and certification by the installation crew. The air station ATC Operations Department will witness test and certification procedures where possible.

3. Time Required to Install at Operational Sites. Installation of the DASR is currently planned to be in conjunction with the installation of the STARS and the VIDS. Time required for completion of the DASR installation will be between 34 and 54 days per site. Early STARS systems will be installed independently. STARS systems will be installed in conjunction with DASR systems beginning in Calendar Year (CY) 02. Installing the two systems together eliminates disrupting facility operations more than once for each system installation.

SPAWARSYSCEN Charleston estimates the installation process will take five months. This includes setting up temporary ATC facilities if required, installing STARS and DASR, and the initial test and check of the new systems. Installation at each site will be accomplished via one of three methods listed below:

(1) First method. The concurrent approach method involves the installation of replacement systems side-by-side with the existing operational equipment. This method allows the current ATC equipment to remain fully operational while the new equipment is being installed and tested. It requires sufficient floor space available for parallel equipment installation, sufficient power for existing and replacement equipment, and sufficient Heating, Ventilation, and Air Conditioning (HVAC) capacity for existing and replacement equipment. Upon successful installation, test, and certification of the new equipment the facility transitions over to the new system for operational use, and the old systems are removed.

(2) Second method. The Marine Air Control Squadron (MACS) approach can be used when the concurrent approach method is not feasible due to facility space limitations. The MACS unit deploys to the airfield being upgraded and sets up mobile ATC equipment. Once the MACS is operational, control of all ATC operations is transferred to the MACS, and the old equipment is shut down for removal and replacement. MACS requirements include six months advanced scheduling; ample telephone landline circuits available at the MACS site; and messing, berthing, and transportation for MACS operators and maintainers. Requirements also include a letter of agreement between the MACS and Air Station-Air Operations, accurate field data in advance for the efficient setup and generation of video maps, and time for station controllers to train on MACS equipment and familiarize MACS controllers with local operations. Upon successful installation, test, and certification of the new equipment, the facility transitions over to the new system for operational use.

(3) Third method. The Transportable Air Traffic Control Facility (TATCF) Approach can be utilized when the concurrent approach is not technically feasible and no MACS unit is available. This approach involves the construction of mobile trailers with standard Navy ATC processing, display, communications control, and ancillary equipment. After the TATCF is set up, tested, and certified at an air station, control of the radar operations will be turned over to the TATCF and the old radar facility equipment will be removed and replaced with the new system. Requirements include construction of two sets of TATCF trailers, each with a full complement of standard Navy ATC systems, sitting close to the existing facility, with sufficient power for the trailers. The TATCF will interface with the existing Precision Approach Radar, Airport Surveillance Radar, radios, and telephone landline circuits. Following successful testing and certification of the new systems, control is transferred back to the new equipment in the TATCF and ATC Tower.

4. Foreign Military Sales and Other Source Delivery Schedule. For Air Force, Army, or FAA delivery schedules contact the Developing Agency, NAVAIRSYSCOM, PMA213.

5. Training Device and Technical Training Equipment Delivery Schedule

(1) Maintenance Training. Two AN/FSQ-204 STARS systems will be delivered to NATTC Pensacola to support maintenance training. One system will be installed in CY01 and the second in CY05. Coordination between the NATTC Project Manager and SPAWARSYSCEN Charleston is required for relocation of AN/FSC-104 ECS radio antennas to ensure proper maintenance course lab space for STARS equipment. Two DASR systems will be installed at NATTC Pensacola. The first will be Ready For Operational Use (RFOU) in October 2001 and the second will be RFOU in August 2005. These systems will be the primary TTE. No new training devices will be required to support the DASR training. VIDS TTE for the STARS Maintenance Technician course is required in FY00 for the first system and FY04 for the second.

(2) Operator Training. Training Device 15G31 Shore-based Radar ATC Training Systems supporting AC "A1" laboratory and ARATC "C" laboratory instruction must be modified to replicate STARS operations. This modification will be developed by NAWC TSD Orlando, Florida, and will be in place when 50 percent of the Navy and Marine Corps STARS installations are complete. VIDS-like TD for the AC "A1" TOTS laboratories and the ARATC "C" school laboratory should occur at the time that 50 percent of Navy and Marine Corps ATC facilities are equipped with VIDS (FY03).

L. GOVERNMENT-FURNISHED EQUIPMENT AND CONTRACTOR-FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

| DOCUMENT OR NTSP TITLE | DOCUMENT OR NTSP NUMBER | PDA CODE | STATUS |
|--|------------------------------------|-------------------------------|-----------------------|
| Statement of Operational Need | USAF SON 001-85 | Air Force | Approved 11 Jun 87 |
| Operational Requirements Document | USAF ORD 04-87 | Air Force | Approved 14 May 92 |
| Naval and Marine Corps Air Traffic Control Facility Transition Program | NA | SPAWARSYSCOM Code 313 | Approved Dec 96 |
| DASR Integrated Logistics Support Plan | ATC-ILSP-011 | SPAWARSYSCOM | Approved Jul 98 |
| STARS Phase II Operational Requirements Document (ORD) | NA | Joint Program Office (JPO) | Approved 18 Jun 95 |

| DOCUMENT OR NTSP TITLE | DOCUMENT OR NTSP NUMBER | PDA CODE | STATUS |
|---|------------------------------------|-------------------------------|-----------------------|
| U.S. Department of Transportation FAA and DoD STARS Phase III (Final) ORD | NA | Joint Program Office (JPO) | Approved 30 May 96 |
| AN/GPN-27 Airport Surveillance Radar | N-88-NTSP-A-50- 7902A | PMA213 | Approved 28 Sep 89 |
| AN/TPX-42A(V)5/10 | N-88-NTSP-E-50- 7005F | PMA205 | Approved 6 Jan 94 |
| Enhanced Terminal Voice Switch (ETVS) | N-88-NTSP-A-50- 9701A | PMA205 | Approved Apr 99 |

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the National Airspace System Modernization Program and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.a. Operational and Fleet Support Activity Deactivation Schedule

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE OF USN BILLETS: Total Force Manpower Management System

DATE: 3/1/00

SOURCE OF USMC BILLETS: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: 3/1/00

| ACTIVITY, UIC | | PFYs | CFY00 | FY01 | FY02 | FY03 | FY04 |
|--|-------|------|-------|------|------|------|------|
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | | | |
| Atlantic Fleet Weapons Training Facility | 0017A | 1 | 0 | 0 | 0 | 0 | 0 |
| FACSFAC Jacksonville | 53895 | 1 | 0 | 0 | 0 | 0 | 0 |
| FACSFACVACAPES | 42239 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAF Washington DC | 00166 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Brunswick | 60087 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Jacksonville | 00207 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Keflavik | 63032 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Key West | 00213 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS New Orleans | 00206 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Oceana | 60191 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Oceana Air Detachment | 00188 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Whiting Field, Undergraduate Pilot Training | 42096 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Willow Grove | 00158 | 1 | 0 | 0 | 0 | 0 | 0 |
| Naval Test Pilot School, Patuxent River | 44689 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAVSTA Mayport | 60201 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAVSTA Roosevelt Roads | 00389 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAVSTA Rota | 62863 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAWCAD Patuxent River | 47608 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAWCADIV NWCF | 64485 | 1 | 0 | 0 | 0 | 0 | 0 |
| OPNAV | 00011 | 1 | 0 | 0 | 0 | 0 | 0 |
| SSC SC NWCF | 65236 | 1 | 0 | 0 | 0 | 0 | 0 |
| CPRFP NAVSUPDET | 32405 | 1 | 0 | 0 | 0 | 0 | 0 |
| FACSFAC Pearl | 43583 | 1 | 0 | 0 | 0 | 0 | 0 |
| FACSFAC San Diego | 09528 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAF Atsugi | 62507 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Corpus Christi, Undergraduate Pilot Training | 42094 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Fallon | 60495 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS JRB Fort Worth | 83447 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Kingsville, Undergraduate Pilot Training | 42095 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Lemoore | 63042 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS North Island | 00246 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS North Island, San Clemente Island | 31466 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Point Mugu | 0429A | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Point Mugu A/C | 45113 | 1 | 0 | 0 | 0 | 0 | 0 |
| NAS Whidbey Island | 00620 | 1 | 0 | 0 | 0 | 0 | 0 |
| NOLF San Nicholas Island, NAWS | 30614 | 1 | 0 | 0 | 0 | 0 | 0 |
| NSUPFAC Diego Garcia | 68539 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL: | | 37 | 0 | 0 | 0 | 0 | 0 |

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: Total Force Manpower Management System

DATE: 3/1/00

SOURCE: USMC: Extract from Table of Manpower Requirements, TFS, MCCDC

DATE: 3/1/00

| ACTIVITY, UIC | PFYs | CFY00 | FY01 | FY02 | FY03 | FY04 |
|-------------------------------------|-------|-------|------|------|------|------|
| FLEET SUPPORT ACTIVITIES - USMC | | | | | | |
| COMCAB, Cherry Point | 67358 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAF Quantico | 00262 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Beaufort | 60169 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Cherry Point | 00146 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS New River | 62573 | 1 | 0 | 0 | 0 | 0 |
| MACS-2 HQ, Cherry Point | 09554 | 1 | 0 | 0 | 0 | 0 |
| MACS-2, ATC Det-A, Beaufort | 09274 | 1 | 0 | 0 | 0 | 0 |
| MACS-2, ATC Det-B, New River | 09554 | 1 | 0 | 0 | 0 | 0 |
| MACS-2, ATC Det-C, Cherry Point | 57080 | 1 | 0 | 0 | 0 | 0 |
| MACS-2, ATC Det-D, Bouge Field | 53980 | 1 | 0 | 0 | 0 | 0 |
| MACS-24 HQ, Dam Neck | 08854 | 1 | 0 | 0 | 0 | 0 |
| MACS-24, Det-B, Willow Grove | 09504 | 1 | 0 | 0 | 0 | 0 |
| MAD, Patuxent River | 67356 | 1 | 0 | 0 | 0 | 0 |
| PERS MGT DIV HQMC | 00000 | 1 | 0 | 0 | 0 | 0 |
| COMCAB Miramar | 67428 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Camp Pendleton | 67604 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Futenma | 63026 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Iwakuni | 62613 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Miramar | 31200 | 1 | 0 | 0 | 0 | 0 |
| H&HS MCAS Yuma | 62974 | 1 | 0 | 0 | 0 | 0 |
| MACS-1 HQ, Yuma | 09541 | 1 | 0 | 0 | 0 | 0 |
| MACS-1, ATC Det-A, Camp Pendleton | 31053 | 1 | 0 | 0 | 0 | 0 |
| MACS-1, ATC Det-B, Miramar | 46623 | 1 | 0 | 0 | 0 | 0 |
| MACS-1, ATC Det-C, Yuma | 31055 | 1 | 0 | 0 | 0 | 0 |
| MACS-1, ATC Det-D, TwentyNine Palms | 31053 | 1 | 0 | 0 | 0 | 0 |
| MACS-23 HQ, Aurora | 67834 | 1 | 0 | 0 | 0 | 0 |
| MACS-24, ATC Det-A, Fort Worth | 55175 | 1 | 0 | 0 | 0 | 0 |
| MACS-4 HQ, Futenma | 08848 | 1 | 0 | 0 | 0 | 0 |
| MACS-4, ATC Det-A, Iwakuni | 09249 | 1 | 0 | 0 | 0 | 0 |
| MACS-4, ATC Det-B, Futenma | 62613 | 1 | 0 | 0 | 0 | 0 |
| MAWTS-1, Yuma | 55167 | 1 | 0 | 0 | 0 | 0 |
| MCAF Kaneohe Bay | 00318 | 1 | 0 | 0 | 0 | 0 |
| TOTAL: | | 32 | 0 | 0 | 0 | 0 |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ | PNEC/ | SNEC/ |
|---|---------|-----|--------|-------|-------|
| | OFF | ENL | RATING | PMOS | SMOS |
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | |
| Atlantic Fleet Weapons Training Facility, 0017A | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| | 0 | 4 | AC1 | 6901 | |
| | 0 | 6 | AC2 | 6901 | |
| | 0 | 9 | AC3 | 6901 | |
| | 0 | 1 | ET1 | 1580 | |
| ACTIVITY TOTAL: | 0 | 22 | | | |
| FACSFAC Jacksonville, 53895 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| | 0 | 3 | AC1 | 6901 | |
| | 0 | 5 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 10 | | | |
| FACSFACVACAPES, 42239 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| | 0 | 3 | AC1 | 6901 | |
| | 0 | 8 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 13 | | | |
| NAF Washington DC, 00166 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| NAS Brunswick, 60087 | | | | | |
| ACDU | 0 | 1 | ACCS | 6904 | 6901 |
| | 0 | 3 | ACC | 6904 | 6901 |
| | 0 | 13 | AC1 | 6901 | |
| | 0 | 1 | ETC | 1578 | 1580 |
| | 0 | 1 | ET1 | 1578 | 1580 |
| | 0 | 1 | ET2 | 1578 | 1580 |
| | 0 | 1 | ET2 | 1578 | 9527 |
| | 0 | 1 | ET2 | 1580 | 9527 |
| | 0 | 1 | ET3 | 1580 | |
| ACTIVITY TOTAL: | 0 | 23 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|----------------------------------|-----------------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS Jacksonville, 00207 | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | 6902 |
| | 0 | 2 | ACC | 6901 | 6902 |
| | 0 | 2 | AC1 | 6901 | |
| | 0 | 20 | AC1 | 6901 | 6902 |
| | 0 | 2 | AC2 | 6901 | |
| | 0 | 18 | AC2 | 6901 | 6902 |
| | 0 | 1 | AC3 | 6901 | |
| | 0 | 10 | AC3 | 6901 | 6902 |
| | 0 | 1 | ETC | 1579 | 1580 |
| | 0 | 1 | ET1 | 1471 | 1574 |
| | 0 | 1 | ET1 | 1574 | |
| | 0 | 1 | ET1 | 1579 | 1580 |
| | 0 | 1 | ET1 | 1580 | 1574 |
| | 0 | 1 | ET2 | 1574 | 1580 |
| | 0 | 1 | ET2 | 1574 | 9527 |
| | 0 | 2 | ET2 | 1579 | 1580 |
| | ACTIVITY TOTAL: | | 0 | 65 | |
| NAS Keflavik, 63032 | | | | | |
| ACDU | 0 | 1 | ACC | 6901 | 6904 |
| | 0 | 4 | AC1 | 6901 | |
| | 0 | 1 | AC2 | 6901 | |
| SELRES | 0 | 1 | ACC | 6901 | |
| | 0 | 2 | AC1 | 6901 | |
| | 0 | 2 | AC2 | 6901 | |
| | 0 | 1 | ETC | 1580 | |
| | 0 | 2 | ET2 | 1580 | |
| ACTIVITY TOTAL: | | 0 | 14 | | |
| NAS Key West, 00213 | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | |
| | 0 | 2 | ACC | 6901 | |
| | 0 | 16 | AC1 | 6901 | |
| | 0 | 1 | AC1 | 6901 | 9527 |
| | 0 | 17 | AC2 | 6901 | |
| | 0 | 1 | ETC | 1580 | 1579 |
| | 0 | 1 | ET1 | 1578 | |
| | 0 | 5 | ET2 | 1578 | 9527 |
| | 0 | 4 | ET2 | 1580 | |
| | 0 | 1 | ET3 | 1578 | |
| | 0 | 2 | ET3 | 1580 | 9527 |
| | ACTIVITY TOTAL: | | 0 | 51 | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|-----------------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS New Orleans, 00206 | | | | | |
| ACDU | 0 | 1 | ETC | 1574 | 1579 |
| | 0 | 1 | ET1 | 1579 | 1574 |
| | 0 | 1 | ET1 | 1580 | 1570 |
| | 0 | 1 | ET2 | 1574 | 1580 |
| SELRES | 0 | 1 | ET1 | 1580 | |
| | 0 | 1 | ET2 | 1574 | 1579 |
| ACTIVITY TOTAL: | 0 | 6 | | | |
| NAS Oceana, 60191 | | | | | |
| ACDU | 0 | 1 | ACCM | 6901 | |
| | 0 | 1 | ACCS | 6901 | |
| | 0 | 3 | ACC | 6901 | |
| | 0 | 27 | AC1 | 6901 | |
| | 0 | 27 | AC2 | 6901 | |
| | 0 | 1 | AC3 | 6901 | |
| | 0 | 1 | ET1 | 1480 | 1578 |
| | 0 | 1 | ET1 | 1578 | 1570 |
| | 0 | 1 | ET2 | 1578 | |
| | 0 | 1 | ET2 | 1580 | |
| | 0 | 1 | ET2 | 1580 | 9526 |
| | 0 | 2 | ET3 | 1578 | |
| | 0 | 1 | ET3 | 1580 | |
| | ACTIVITY TOTAL: | 0 | 68 | | |
| NAS Oceana Air Detachment, 00188 | | | | | |
| ACDU | 0 | 1 | ETC | 1574 | |
| | 0 | 2 | ET1 | 1574 | |
| | 0 | 4 | ET2 | 1574 | 1579 |
| | 0 | 1 | ET2 | 1574 | 9526 |
| ACTIVITY TOTAL: | 0 | 8 | | | |
| NAS Whiting Field, Undergraduate Pilot Training, 42096 | | | | | |
| ACDU | 0 | 1 | ET2 | 1579 | 1574 |
| | 0 | 1 | ET3 | 1574 | |
| | 0 | 1 | ET3 | 1580 | 9527 |
| ACTIVITY TOTAL: | 0 | 3 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS Willow Grove, 00158 | | | | | |
| ACDU | 0 | 1 | ETC | 1574 | 1579 |
| | 0 | 1 | ET1 | 1579 | 1574 |
| | 0 | 1 | ET2 | 1579 | 1574 |
| TAR | 0 | 1 | ET1 | 1579 | 1580 |
| | 0 | 1 | ET2 | 1579 | 1580 |
| ACTIVITY TOTAL: | 0 | 5 | | | |
| Naval Test Pilot School, Patuxent River, 44689 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| NAVSTA Mayport, 60201 | | | | | |
| ACDU | 0 | 1 | ETC | 1580 | 1574 |
| | 0 | 1 | ET1 | 1574 | 1480 |
| | 0 | 1 | ET1 | 1580 | 1480 |
| | 0 | 3 | ET2 | 1580 | 1480 |
| | 0 | 1 | ET3 | 1574 | 1480 |
| | 0 | 2 | ET3 | 1580 | 1480 |
| SELRES | 0 | 1 | ET1 | 1580 | |
| | 0 | 3 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 13 | | | |
| NAVSTA Roosevelt Roads, 00389 | | | | | |
| ACDU | 0 | 1 | ACCM | 6901 | |
| | 0 | 3 | ACC | 6901 | |
| | 0 | 10 | AC1 | 6901 | |
| | 0 | 11 | AC2 | 6901 | |
| | 0 | 1 | ET2 | 1578 | 9527 |
| | 0 | 2 | ET2 | 1580 | |
| | 0 | 1 | ET3 | 1578 | |
| | 0 | 1 | ET3 | 1580 | 9527 |
| TAR | 0 | 1 | AC1 | 6901 | |
| | 0 | 1 | ET1 | 1578 | |
| ACTIVITY TOTAL: | 0 | 32 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAVSTA Rota, 62863 | | | | | |
| ACDU | 0 | 1 | ACC | 6901 | |
| | 0 | 6 | AC1 | 6901 | |
| | 0 | 1 | ET1 | 1580 | 1579 |
| | 0 | 1 | ET2 | 1574 | 9527 |
| | 0 | 1 | ET3 | 1579 | 1580 |
| | 0 | 1 | ET3 | 1580 | 9597 |
| NAVSTA Rota, 62863, FY00 Increment | | | | | |
| ACDU | 0 | 1 | ET3 | 4749 | 1580 |
| ACTIVITY TOTAL: | 0 | 12 | | | |
| NAWCAD Patuxent River, 47608 | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | |
| | 0 | 4 | ACC | 6901 | |
| | 0 | 8 | AC1 | 6901 | |
| | 0 | 8 | AC2 | 6901 | |
| | 0 | 1 | ET1 | 1578 | |
| | 0 | 1 | ET1 | 1580 | |
| | 0 | 1 | ET2 | 1578 | |
| | 0 | 1 | ET2 | 1578 | 9527 |
| | 0 | 1 | ET2 | 1580 | |
| | 0 | 1 | ET2 | 1580 | 1480 |
| | 0 | 2 | ET3 | 1578 | |
| | 0 | 1 | ET3 | 1580 | 9527 |
| ACTIVITY TOTAL: | 0 | 30 | | | |
| NAWCADIV NWCF, 64485 | | | | | |
| ACDU | 0 | 1 | ACC | 6901 | |
| NAWCADIV NWCF, 64485, FY00 Increment | | | | | |
| ACDU | 0 | 1 | ACC | 6902 | 6901 |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| OPNAV, 00011 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| SSC SC NWCF, 65236 | | | | | |
| ACDU | 0 | 1 | ACC | 6901 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| CPRFP NAVSUPDET, 32405 | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | |
| | 0 | 2 | ACC | 6901 | |
| | 0 | 6 | AC1 | 6901 | |
| | 0 | 9 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 18 | | | |
| FACSFAC Pearl, 43583 | | | | | |
| ACDU | 0 | 1 | ACC | 6901 | |
| | 0 | 3 | AC1 | 6901 | |
| ACTIVITY TOTAL: | 0 | 4 | | | |
| FACSFAC San Diego, 09528 | | | | | |
| ACDU | 0 | 2 | ACC | 6901 | |
| | 0 | 6 | AC1 | 6901 | |
| | 0 | 6 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 14 | | | |
| NAF Atsugi, 62507 | | | | | |
| ACDU | 0 | 1 | AC1 | 6901 | |
| | 0 | 2 | AC2 | 6901 | |
| | 0 | 2 | AC3 | 6901 | |
| SELRES | 0 | 1 | AC1 | 6901 | |
| | 0 | 6 | AC2 | 6901 | |
| | 0 | 1 | AC3 | 6901 | |
| ACTIVITY TOTAL: | 0 | 13 | | | |
| NAS Corpus Christi, Undergraduate Pilot Training, 42094 | | | | | |
| ACDU | 0 | 1 | ET1 | 1579 | 1574 |
| | 0 | 4 | ET2 | 1579 | 1574 |
| ACTIVITY TOTAL: | 0 | 5 | | | |
| NAS Fallon, 60495 | | | | | |
| ACDU | 0 | 1 | ACCM | 6901 | |
| | 0 | 1 | ACCS | 6901 | |
| | 0 | 3 | ACC | 6901 | |
| | 0 | 15 | AC1 | 6901 | |
| | 0 | 12 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 32 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS JRB Fort Worth, 83447 | | | | | |
| ACDU | 0 | 1 | ETC | 1574 | 1580 |
| | 0 | 1 | ET1 | 1580 | 1570 |
| TAR | 0 | 1 | ET1 | 1574 | 1574 |
| | 0 | 1 | ET1 | 1579 | |
| | 0 | 1 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 5 | | | |
| NAS Kingsville, Undergraduate Pilot Training, 42095 | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | |
| | 0 | 3 | ACC | 6901 | |
| | 0 | 15 | AC1 | 6901 | |
| | 0 | 1 | ETC | 1578 | |
| | 0 | 2 | ET1 | 1580 | |
| | 0 | 4 | ET2 | 1578 | |
| ACTIVITY TOTAL: | 0 | 26 | | | |
| NAS Lemoore, 63042 | | | | | |
| ACDU | 0 | 1 | ACCM | 6901 | 6902 |
| | 0 | 1 | ACCS | 6901 | |
| | 0 | 2 | ACC | 6901 | |
| | 0 | 10 | AC1 | 6901 | |
| | 0 | 15 | AC2 | 6901 | |
| | 0 | 1 | ET1 | 1578 | |
| | 0 | 2 | ET2 | 1578 | |
| | 0 | 3 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 35 | | | |
| NAS North Island, 00246 | | | | | |
| ACDU | 0 | 3 | ACC | 6901 | 9527 |
| | 0 | 5 | AC1 | 6901 | |
| | 0 | 5 | AC2 | 6901 | |
| | 0 | 1 | ET1 | 1578 | |
| | 0 | 1 | ET2 | 1578 | |
| | 0 | 3 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 18 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS North Island, San Clemente Island, 31466 | | | | | |
| ACDU | 0 | 3 | AC1 | 6901 | |
| | 0 | 2 | AC2 | 6901 | |
| | 0 | 1 | ET1 | 1579 | 1580 |
| | 0 | 2 | ET2 | 1502 | 1574 |
| | 0 | 1 | ET3 | 1480 | 1580 |
| | 0 | 1 | ET3 | 1574 | 1580 |
| | 0 | 1 | ET3 | 1580 | 9527 |
| ACTIVITY TOTAL: | 0 | 11 | | | |
| NAS Point Mugu, 0429A | | | | | |
| ACDU | 0 | 5 | ACC | 6901 | |
| | 0 | 12 | AC1 | 6901 | |
| | 0 | 5 | AC2 | 6901 | |
| | 0 | 1 | ETC | 1578 | 1580 |
| | 0 | 2 | ET1 | 1578 | |
| | 0 | 1 | ET1 | 1580 | |
| | 0 | 2 | ET2 | 1580 | |
| TAR | 0 | 1 | ET2 | 1578 | 9527 |
| SELRES | 0 | 1 | ET2 | 1580 | |
| NAS Point Mugu, 0429A, FY01 Increment | | | | | |
| TAR | 0 | 1 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 31 | | | |
| NAS Point Mugu A/C, 45113 | | | | | |
| ACDU | 0 | 1 | AC1 | 6901 | |
| | 0 | 4 | AC2 | 6901 | |
| ACTIVITY TOTAL: | 0 | 5 | | | |
| NAS Whidbey Island, 00620 | | | | | |
| ACDU | 0 | 1 | ACCM | 6901 | |
| | 0 | 1 | ACCS | 6901 | |
| | 0 | 6 | ACC | 6901 | |
| | 0 | 15 | AC1 | 6901 | |
| | 0 | 16 | AC2 | 6901 | |
| | 0 | 1 | ETC | 1580 | |
| | 0 | 1 | ET1 | 1578 | |
| | 0 | 1 | ET2 | 1578 | 9527 |
| | 0 | 1 | ET2 | 1580 | 1480 |
| | 0 | 1 | ET3 | 1580 | 9527 |
| | | | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| NAS Whidbey Island, 00620, FY01 Increment | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | 6904 |
| ACTIVITY TOTAL: | 0 | 45 | | | |
| NOLF San Nicholas Island, NAWS, 30614 | | | | | |
| ACDU | 0 | 1 | ETC | 1574 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| NSUPFAC Diego Garcia, 68539 | | | | | |
| ACDU | 0 | 3 | AC1 | 6901 | |
| ACTIVITY TOTAL: | 0 | 3 | | | |
| FLEET SUPPORT ACTIVITIES - USMC | | | | | |
| COMCAB, Cherry Point, 67358 | | | | | |
| USMC | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| H&HS MCAF Quantico, 00262 | | | | | |
| USMC | 0 | 1 | CPL | 5953 | 5956 |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 4 | CPL | 7257 | 7253 |
| | 0 | 1 | GYSGT | 7257 | |
| | 0 | 2 | LCPL | 5953 | 5956 |
| | 0 | 5 | LCPL | 7257 | 7252 |
| | 0 | 5 | LCPL | 7257 | 7253 |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 2 | SGT | 7257 | 7253 |
| | 0 | 2 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 26 | | | |

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETTS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|----------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| H&HS MCAS Beaufort, 60169 | | | | | |
| USMC | 0 | 1 | CPL | 5953 | 5956 |
| | 0 | 3 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7253 |
| | 0 | 1 | GYSGT | 5953 | 5956 |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | 5956 |
| | 0 | 5 | LCPL | 7257 | 7252 |
| | 0 | 8 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 2 | SGT | 7257 | 7253 |
| | 0 | 1 | SSGT | 5953 | 5956 |
| | 0 | 4 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 36 | | | |
| H&HS MCAS Cherry Point, 00146 | | | | | |
| USMC | 0 | 1 | CPL | 5953 | 5956 |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 4 | CPL | 7257 | 7253 |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 2 | LCPL | 5953 | |
| | 0 | 3 | LCPL | 7257 | 7252 |
| | 0 | 5 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | 5956 |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 5 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 8 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 37 | | | |
| H&HS MCAS New River, 62573 | | | | | |
| USMC | 0 | 1 | CPL | 5953 | |
| | 0 | 3 | CPL | 7257 | 7252 |
| | 0 | 1 | CPL | 7257 | 7253 |
| | 0 | 3 | GYSGT | 7257 | |
| | 0 | 3 | LCPL | 5953 | |
| | 0 | 8 | LCPL | 7257 | 7252 |
| | 0 | 2 | LCPL | 7257 | 7253 |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 2 | SGT | 7257 | 7253 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 6 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 33 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|-------------------------------------|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MACS-2 HQ, Cherry Point, 09554 | | | | | |
| USMC | 0 | 1 | MGYSGT | 7291 | |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 3 | | | |
| MACS-2, ATC Det-A, Beaufort, 09274 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MACS-2, ATC Det-B, New River, 09554 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MACS-2, ATC Det-C, Cherry Point, 57080 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MACS-2, ATC Det-D, Bouge Field, 53980 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MACS-24 HQ, Dam Neck, 08854 | | | | | |
| SMCR | 0 | 1 | GYSGT | 7257 | |
| | 0 | 1 | LCPL | 5953 | |
| | 0 | 1 | MGYSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 4 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MACS-24, Det-B, Willow Grove, 09504 | | | | | |
| USMC | 0 | 1 | GYSGT | 5953 | |
| | 0 | 1 | GYSGT | 7257 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 1 | SSGT | 7257 | |
| SMCR | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 1 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 2 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 40 | | | |
| MAD, Patuxent River, 67356 | | | | | |
| USMC | 0 | 1 | GYSGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| PERS MGT DIV HQMC, 00000 | | | | | |
| USMC | 0 | 1 | MGYSGT | 7291 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| COMCAB Miramar, 67428 | | | | | |
| USMC | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 2 | | | |
| H&HS MCAS Camp Pendleton, 67604 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | 5957 |
| | 0 | 3 | CPL | 7257 | 7252 |
| | 0 | 9 | CPL | 7257 | 7253 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 5 | LCPL | 5953 | 5957 |
| | 0 | 5 | LCPL | 7257 | 7252 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 2 | SGT | 5953 | 5957 |
| | 0 | 1 | SGT | 7257 | 7252 |
| | 0 | 4 | SGT | 7257 | 7253 |
| | 0 | 4 | SSGT | 7257 | |

ACTIVITY TOTAL: 0 39
 II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS OFF ENL | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|----------------------------------|--------------------|----|------------------|---------------|---------------|
| H&HS MCAS Futenma, 63026 USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 4 | CPL | 7257 | 7252 |
| | 0 | 7 | CPL | 7257 | 7253 |
| | 0 | 3 | LCPL | 5953 | |
| | 0 | 8 | LCPL | 7257 | 7252 |
| | 0 | 8 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 4 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7253 |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 44 | | | |
| H&HS MCAS Iwakuni, 62613 USMC | 0 | 1 | CPL | 5953 | |
| | 0 | 4 | CPL | 7257 | 7252 |
| | 0 | 3 | CPL | 7257 | 7253 |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 2 | LCPL | 5953 | |
| | 0 | 4 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 1 | SGT | 7257 | 7252 |
| | 0 | 1 | SGT | 7257 | 7253 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 6 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 27 | | | |
| H&HS MCAS Miramar, 31200 USMC | 0 | 2 | CPL | 5953 | 5957 |
| | 0 | 10 | CPL | 7257 | 7252 |
| | 0 | 1 | CPL | 7257 | 7253 |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 1 | LCPL | 5953 | 5957 |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 6 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 2 | SGT | 5953 | 5957 |
| | 0 | 3 | SGT | 7257 | 7252 |
| | 0 | 2 | SGT | 7257 | 7253 |
| | 0 | 1 | SSGT | 5953 | 5957 |
| | 0 | 6 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 44 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|---|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| H&HS MCAS Yuma, 62974 | | | | | |
| USMC | 0 | 3 | CPL | 5953 | 5956 |
| | 0 | 3 | CPL | 7257 | 7252 |
| | 0 | 10 | CPL | 7257 | 7254 |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | 5956 |
| | 0 | 6 | LCPL | 7257 | 7252 |
| | 0 | 13 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | 5956 |
| | 0 | 3 | SGT | 7257 | 7252 |
| | 0 | 5 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | 5956 |
| | 0 | 11 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 63 | | | |
| MACS-1 HQ, Yuma, 09541 | | | | | |
| USMC | 0 | 1 | MGYSGT | 7291 | |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 3 | | | |
| MACS-1, ATC Det-A, Camp Pendleton, 31053 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MACS-1, ATC Det-B, Miramar, 46623 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MACS-1, ATC Det-C, Yuma, 31055 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 1 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 40 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | |
|--|-----------------|-----|------------------|---------------|---------------|--|
| | OFF | ENL | | | | |
| MACS-1, ATC Det-D, TwentyNine Palms, 31053 | | | | | | |
| USMC | 0 | 2 | CPL | 5953 | | |
| | 0 | 2 | CPL | 7257 | 7252 | |
| | 0 | 2 | CPL | 7257 | 7254 | |
| | 0 | 1 | GYSGT | 5953 | | |
| | 0 | 2 | GYSGT | 7257 | | |
| | 0 | 4 | LCPL | 5953 | | |
| | 0 | 7 | LCPL | 7257 | 7252 | |
| | 0 | 11 | LCPL | 7257 | 7253 | |
| | 0 | 1 | MSGT | 7291 | | |
| | 0 | 1 | SGT | 5953 | | |
| | 0 | 2 | SGT | 7257 | 7252 | |
| | 0 | 3 | SGT | 7257 | 7254 | |
| | 0 | 1 | SSGT | 5953 | | |
| | 0 | 3 | SSGT | 7257 | | |
| | ACTIVITY TOTAL: | | 0 | 42 | | |
| MACS-23 HQ, Aurora, 67834 | | | | | | |
| SMCR | 0 | 1 | LCPL | 5953 | | |
| | 0 | 1 | MSGT | 7291 | | |
| | 0 | 1 | SGT | 5953 | | |
| ACTIVITY TOTAL: | | 0 | 3 | | | |
| MACS-24, ATC Det-A, Fort Worth, 55175 | | | | | | |
| USMC | 0 | 1 | GYSGT | 5953 | | |
| | 0 | 1 | GYSGT | 7257 | | |
| | 0 | 1 | SGT | 5953 | | |
| | 0 | 1 | SGT | 7257 | 7252 | |
| | 0 | 1 | SSGT | 5953 | | |
| | 0 | 1 | SSGT | 7257 | | |
| SMCR | 0 | 2 | CPL | 5953 | | |
| | 0 | 2 | CPL | 7257 | 7252 | |
| | 0 | 2 | CPL | 7257 | 7254 | |
| | 0 | 1 | GYSGT | 7257 | | |
| | 0 | 4 | LCPL | 5953 | | |
| | 0 | 7 | LCPL | 7257 | 7252 | |
| | 0 | 11 | LCPL | 7257 | 7253 | |
| | 0 | 1 | MSGT | 7291 | | |
| | 0 | 1 | SGT | 7257 | 7252 | |
| | 0 | 3 | SGT | 7257 | 7254 | |
| | 0 | 2 | SSGT | 7257 | | |
| | ACTIVITY TOTAL: | | 0 | 42 | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MACS-4 HQ, Futenma, 08848 | | | | | |
| USMC | 0 | 1 | GYSGT | 7257 | |
| | 0 | 1 | LCPL | 5953 | |
| | 0 | 1 | MGYSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 4 | | | |
| MACS-4, ATC Det-A, Iwakuni, 09249 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MACS-4, ATC Det-B, Futenma, 62613 | | | | | |
| USMC | 0 | 2 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | CPL | 7257 | 7254 |
| | 0 | 1 | GYSGT | 5953 | |
| | 0 | 2 | GYSGT | 7257 | |
| | 0 | 4 | LCPL | 5953 | |
| | 0 | 7 | LCPL | 7257 | 7252 |
| | 0 | 11 | LCPL | 7257 | 7253 |
| | 0 | 1 | MSGT | 7291 | |
| | 0 | 1 | SGT | 5953 | |
| | 0 | 2 | SGT | 7257 | 7252 |
| | 0 | 3 | SGT | 7257 | 7254 |
| | 0 | 1 | SSGT | 5953 | |
| | 0 | 3 | SSGT | 7257 | |
| ACTIVITY TOTAL: | 0 | 42 | | | |
| MAWTS-1, Yuma, 55167 | | | | | |
| USMC | 0 | 1 | MSGT | 7291 | 9962 |
| ACTIVITY TOTAL: | 0 | 1 | | | |

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|----------------------------------|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| MCAF Kaneohe Bay, 00318 | | | | | |
| USMC | 0 | 1 | CPL | 5953 | |
| | 0 | 2 | CPL | 7257 | 7252 |
| | 0 | 2 | LCPL | 5953 | |
| | 0 | 1 | SSGT | 5953 | |
| ACTIVITY TOTAL: | 0 | 6 | | | |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|--------------------------------------|------------------------|------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|--|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | | |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | | |
| ACCM | 6901 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACCM | 6901 | 6902 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACCS | 6901 | | 8 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACCS | 6901 | 6902 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACCS | 6901 | 6904 | 0 | | 0 | | 1 | | 0 | | 0 | | 0 | |
| ACCS | 6904 | 6901 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACC | 6901 | | 54 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACC | 6901 | 6902 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACC | 6901 | 6904 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ACC | 6902 | 6901 | 0 | | 1 | | 0 | | 0 | | 0 | | 0 | |
| ACC | 6904 | 6901 | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC1 | 6901 | | 191 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC1 | 6901 | 6902 | 20 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC1 | 6901 | 9527 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC2 | 6901 | | 161 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC2 | 6901 | 6902 | 18 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC3 | 6901 | | 13 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| AC3 | 6901 | 6902 | 10 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1574 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1574 | 1579 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1574 | 1580 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1578 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1578 | 1580 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1579 | 1580 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1580 | 1574 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ETC | 1580 | 1579 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1471 | 1574 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1480 | 1578 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1574 | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1574 | 1480 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1578 | | 7 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1578 | 1570 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1578 | 1580 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1579 | 1574 | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1579 | 1580 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1580 | | 5 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1580 | 1480 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1580 | 1570 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1580 | 1574 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET1 | 1580 | 1579 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1502 | 1574 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1574 | 1579 | 4 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1574 | 1580 | 2 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1574 | 9526 | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|--|------------------------|------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| ET2 | 1574 | 9527 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1578 | | | 8 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1578 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1578 | 9527 | | 10 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1579 | 1574 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1579 | 1580 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | | | 16 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | 1480 | | 5 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | 9526 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | 9527 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1480 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1574 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1574 | 1480 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1574 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1578 | | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1579 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1580 | | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1580 | 1480 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1580 | 9527 | | 7 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 1580 | 9597 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET3 | 4749 | 1580 | | 0 | | 1 | | 0 | | 0 | | 0 | | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - TAR | | | | | | | | | | | | | | |
| AC1 | 6901 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET1 | 1574 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET1 | 1578 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET1 | 1579 | 1574 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET1 | 1579 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1578 | 9527 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1579 | 1580 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | | | 1 | | 0 | | 1 | | 0 | | 0 | | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | | | | | | | | |
| ACC | 6901 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AC1 | 6901 | | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AC2 | 6901 | | | 8 | | 0 | | 0 | | 0 | | 0 | | 0 |
| AC3 | 6901 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ETC | 1580 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET1 | 1580 | | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1574 | 1579 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| ET2 | 1580 | | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | | |
| CPL | 5953 | | | 25 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 5953 | 5956 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 5953 | 5957 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 7257 | 7252 | | 56 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 7257 | 7253 | | 31 | | 0 | | 0 | | 0 | | 0 | | 0 |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|--------------------------------------|------------------------|------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| CPL | 7257 | 7254 | | 30 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 5953 | | | 14 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 5953 | 5956 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 7257 | | | 39 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 5953 | | | 53 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 5953 | 5956 | | 10 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 5953 | 5957 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 7257 | 7252 | | 117 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 7257 | 7253 | | 161 | | 0 | | 0 | | 0 | | 0 | | 0 |
| MGYSGT | 7291 | | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| MSGT | 7291 | | | 21 | | 0 | | 0 | | 0 | | 0 | | 0 |
| MSGT | 7291 | 9962 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 5953 | | | 18 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 5953 | 5956 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 5953 | 5957 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 7257 | 7252 | | 41 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 7257 | 7253 | | 16 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 7257 | 7254 | | 40 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 5953 | | | 16 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 5953 | 5956 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 5953 | 5957 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 7257 | | | 82 | | 0 | | 0 | | 0 | | 0 | | 0 |
| USMC FLEET SUPPORT ACTIVITIES - SMCR | | | | | | | | | | | | | | |
| CPL | 5953 | | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 7257 | 7252 | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |
| CPL | 7257 | 7254 | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| GYSGT | 7257 | | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 5953 | | | 10 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 7257 | 7252 | | 14 | | 0 | | 0 | | 0 | | 0 | | 0 |
| LCPL | 7257 | 7253 | | 22 | | 0 | | 0 | | 0 | | 0 | | 0 |
| MGYSGT | 7291 | | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| MSGT | 7291 | | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 5953 | | | 2 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 7257 | 7252 | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SGT | 7257 | 7254 | | 6 | | 0 | | 0 | | 0 | | 0 | | 0 |
| SSGT | 7257 | | | 4 | | 0 | | 0 | | 0 | | 0 | | 0 |

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | PFYs OFF ENL | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|--|------------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| SUMMARY TOTALS: | | | | | | | |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | |
| | 615 | | 2 | 1 | 0 | 0 | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - TAR | | | | | | | |
| | 8 | | 0 | 1 | 0 | 0 | 0 |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | |
| | 23 | | 0 | 0 | 0 | 0 | 0 |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | |
| | 801 | | 0 | 0 | 0 | 0 | 0 |
| USMC FLEET SUPPORT ACTIVITIES - SMCR | | | | | | | |
| | 78 | | 0 | 0 | 0 | 0 | 0 |
| GRAND TOTALS: | | | | | | | |
| NAVY - ACDU | | | | | | | |
| | 615 | | 2 | 1 | 0 | 0 | 0 |
| NAVY - TAR | | | | | | | |
| | 8 | | 0 | 1 | 0 | 0 | 0 |
| NAVY - SELRES | | | | | | | |
| | 23 | | 0 | 0 | 0 | 0 | 0 |
| USMC - USMC | | | | | | | |
| | 801 | | 0 | 0 | 0 | 0 | 0 |
| USMC - SMCR | | | | | | | |
| | 78 | | 0 | 0 | 0 | 0 | 0 |

II.A.2.b. BILLETTS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| ACTIVITY, UIC, PHASING INCREMENT | BILLETS | | DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS |
|--|---------|-----|------------------|---------------|---------------|
| | OFF | ENL | | | |
| FLEET SUPPORT ACTIVITIES - NAVY | | | | | |
| NAS Whiting Field, Undergraduate Pilot Training, 42096, FY00 Increment | | | | | |
| ACDU | 0 | 1 | ET2 | 1579 | 1574 |
| | 0 | 1 | ET3 | 1574 | |
| | 0 | 1 | ET3 | 1580 | 9527 |
| ACTIVITY TOTAL: | 0 | 3 | | | |
| NAS Lemoore, 63042, FY00 Increment | | | | | |
| ACDU | 0 | 1 | ET1 | 1578 | |
| | 0 | 2 | ET2 | 1578 | |
| | 0 | 3 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 6 | | | |
| NAS Point Mugu, 0429A, FY01 Increment | | | | | |
| SELRES | 0 | 1 | ET2 | 1580 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| NAS Whidbey Island, 00620, FY01 Increment | | | | | |
| ACDU | 0 | 1 | ACCS | 6901 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| FLEET SUPPORT ACTIVITIES - USMC | | | | | |
| H&HS MCAS Beaufort, 60169, FY00 Increment | | | | | |
| USMC | 0 | 1 | SGT | 7257 | 7252 |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| H&HS MCAS Futenma, 63026, FY02 Increment | | | | | |
| USMC | 0 | 1 | CPL | 7257 | 7252 |
| | 0 | 4 | LCPL | 7257 | 7252 |
| | 0 | 1 | SGT | 7257 | 7252 |
| ACTIVITY TOTAL: | 0 | 6 | | | |
| H&HS MCAS Yuma, 62974, FY00 Increment | | | | | |
| USMC | 0 | 1 | SGT | 7257 | 7252 |
| ACTIVITY TOTAL: | 0 | 1 | | | |
| MCAF Kaneohe Bay, 00318, FY02 Increment | | | | | |
| USMC | 0 | 1 | CPL | 5953 | |
| ACTIVITY TOTAL: | 0 | 1 | | | |

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

| DESIG/ RATING | PNEC/SNEC PMOS/SMOS | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|--|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| ACCS | 6901 | | 1 | | 0 | -1 | | 0 | | 0 | | 0 | |
| ET1 | 1578 | | 1 | | -1 | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1578 | | 2 | | -2 | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1579 1574 | | 1 | | -1 | 0 | | 0 | | 0 | | 0 | |
| ET2 | 1580 | | 3 | | -3 | 0 | | 0 | | 0 | | 0 | |
| ET3 | 1574 | | 1 | | -1 | 0 | | 0 | | 0 | | 0 | |
| ET3 | 1580 9527 | | 1 | | -1 | 0 | | 0 | | 0 | | 0 | |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | | | | | | | |
| ET2 | 1580 | | 1 | | 0 | -1 | | 0 | | 0 | | 0 | |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| CPL | 5953 | | 1 | | 0 | 0 | | -1 | | 0 | | 0 | |
| CPL | 7257 7252 | | 4 | | 0 | 0 | | -1 | | 0 | | 0 | |
| LCPL | 7257 7252 | | 8 | | 0 | 0 | | -4 | | 0 | | 0 | |
| SGT | 7257 7252 | | 9 | | -2 | 0 | | -1 | | 0 | | 0 | |
| SUMMARY TOTALS: | | | | | | | | | | | | | |
| NAVY FLEET SUPPORT ACTIVITIES - ACDU | | | | | | | | | | | | | |
| | | | 10 | | -9 | -1 | | 0 | | 0 | | 0 | |
| NAVY FLEET SUPPORT ACTIVITIES - SELRES | | | | | | | | | | | | | |
| | | | 1 | | 0 | -1 | | 0 | | 0 | | 0 | |
| USMC FLEET SUPPORT ACTIVITIES - USMC | | | | | | | | | | | | | |
| | | | 22 | | -2 | 0 | | -7 | | 0 | | 0 | |
| GRAND TOTALS: | | | | | | | | | | | | | |
| NAVY - ACDU | | | | | | | | | | | | | |
| | | | 10 | | -9 | -1 | | 0 | | 0 | | 0 | |
| NAVY - SELRES | | | | | | | | | | | | | |
| | | | 1 | | 0 | -1 | | 0 | | 0 | | 0 | |
| USMC - USMC | | | | | | | | | | | | | |
| | | | 22 | | -2 | 0 | | -7 | | 0 | | 0 | |

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

| DESIG RATING | PNEC/SNEC PMOS/SMOS | | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|-----------------|------------------------|--|------|-----|-------|-----|------|-----|------|-----|------|-----|------|-----|
| | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |

TRAINING ACTIVITY, LOCATION, UIC: MATSG Pensacola, NATTC Pensacola, 39831

INSTRUCTOR BILLETS

USMC

| | | | | | | | | | | | | | | |
|-------|------|------|---|----|---|----|---|----|---|----|---|----|---|----|
| CPL | 5953 | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| GYSGT | 5953 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| GYSGT | 7257 | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| MSGT | 7291 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| SGT | 5953 | | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 8 |
| SGT | 7257 | 7252 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| SGT | 7257 | 7253 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| SSGT | 5953 | | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| SSGT | 7257 | | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 | 0 | 11 |

SUPPORT BILLETS

USMC

| | | | | | | | | | | | | | | |
|-------|------|--|---|---|---|---|---|---|---|---|---|---|---|---|
| CPL | 5953 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| GYSGT | 7257 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| LCPL | 5953 | | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| SGT | 5953 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| SSGT | 5953 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| SSGT | 7257 | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

TOTAL: 0 48 0 48 0 48 0 48 0 48 0 48 0 48

TRAINING ACTIVITY, LOCATION, UIC: NATTC Pensacola, Florida, 63093

INSTRUCTOR BILLETS

ACDU

| | | | | | | | | | | | | | | |
|-----|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACC | 6901 | 9502 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AC1 | 6901 | 9502 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ETC | 1574 | 9502 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1578 | 9502 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1580 | 9502 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET2 | 1574 | 9502 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ET2 | 1580 | 9502 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TOTAL: 0 12 0 4 0 4 0 4 0 4 0 4 0 4

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

| DESIG RATING | PNEC/SNEC PMOS/SMOS | PFYs | | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|-----------------|------------------------|------|-----|-------|-----|------|-----|------|-----|------|-----|------|--|
| | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | | |

TRAINING ACTIVITY, LOCATION, UIC: NTTU Keesler AFB, Biloxi, Mississippi, 35970

INSTRUCTOR BILLETS

| | | | | | | | | | | | | | | |
|--------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|
| ACDU | | | | | | | | | | | | | | |
| ACC | 6901 | 9502 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| TOTAL: | | | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

| ACTIVITY, LOCATION, UIC | USN/ USMC | PFYs OFF ENL | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|--|--------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| MATSG Pensacola, NATTC Pensacola, Florida, 39831 | USMC | 27.7 | 27.7 | 27.7 | 27.1 | 27.1 | 27.1 |
| NATTC Pensacola, Florida, 63093 | NAVY | 76.9 | 76.6 | 75.8 | 75.6 | 75.6 | 75.6 |
| | USMC | 61.8 | 61.8 | 61.8 | 61.5 | 61.1 | 61.1 |
| SUMMARY TOTALS: | | | | | | | |
| | NAVY | 76.9 | 76.6 | 75.8 | 75.6 | 75.6 | 75.6 |
| | USMC | 89.5 | 89.5 | 89.5 | 88.6 | 88.2 | 88.2 |
| GRAND TOTALS: | | | | | | | |
| | | 166.4 | 166.1 | 165.3 | 164.2 | 163.8 | 163.8 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY00 +/- CUM | FY01 +/- CUM | FY02 +/- CUM | FY03 +/- CUM | FY04 +/- CUM |
|------------------|---------------|---------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|
|------------------|---------------|---------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|

a. OFFICER - USN NA

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

| | | | | | | | | | | | | | |
|------|------|------|-----|----|-----|----|-----|---|-----|---|-----|---|-----|
| ACCM | 6901 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| ACCM | 6901 | 6902 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACCS | 6901 | | 8 | 0 | 8 | -1 | 7 | 0 | 7 | 0 | 7 | 0 | 7 |
| ACCS | 6901 | 6902 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACCS | 6901 | 6904 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACCS | 6904 | 6901 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACC | 6901 | | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 | 0 | 54 |
| ACC | 6901 | 6902 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| ACC | 6901 | 6904 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACC | 6902 | 6901 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ACC | 6904 | 6901 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| AC1 | 6901 | | 192 | 0 | 192 | 0 | 192 | 0 | 192 | 0 | 192 | 0 | 192 |
| AC1 | 6901 | 6902 | 20 | 0 | 20 | 0 | 20 | 0 | 20 | 0 | 20 | 0 | 20 |
| AC1 | 6901 | 9527 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| AC2 | 6901 | | 161 | 0 | 161 | 0 | 161 | 0 | 161 | 0 | 161 | 0 | 161 |
| AC2 | 6901 | 6902 | 18 | 0 | 18 | 0 | 18 | 0 | 18 | 0 | 18 | 0 | 18 |
| AC3 | 6901 | | 13 | 0 | 13 | 0 | 13 | 0 | 13 | 0 | 13 | 0 | 13 |
| AC3 | 6901 | 6902 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |
| ETC | 1574 | | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| ETC | 1574 | 1579 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| ETC | 1574 | 1580 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ETC | 1578 | | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ETC | 1578 | 1580 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| ETC | 1579 | 1580 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ETC | 1580 | | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ETC | 1580 | 1574 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ETC | 1580 | 1579 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1471 | 1574 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1480 | 1578 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1574 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| ET1 | 1574 | 1480 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1578 | | 8 | -1 | 7 | 0 | 7 | 0 | 7 | 0 | 7 | 0 | 7 |
| ET1 | 1578 | 1570 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1578 | 1580 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1579 | 1574 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| ET1 | 1579 | 1580 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| ET1 | 1580 | | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| ET1 | 1580 | 1480 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| ET1 | 1580 | 1570 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| ET1 | 1580 | 1574 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY00 +/- CUM | FY01 +/- CUM | FY02 +/- CUM | FY03 +/- CUM | FY04 +/- CUM |
|---|---------------|---------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| ET1 | 1580 | 1579 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1502 | 1574 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET2 | 1574 | 1579 | 4 | 0 4 | 0 4 | 0 4 | 0 4 | 0 4 |
| ET2 | 1574 | 1580 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET2 | 1574 | 9526 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1574 | 9527 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET2 | 1578 | | 8 | -2 6 | 0 6 | 0 6 | 0 6 | 0 6 |
| ET2 | 1578 | 1580 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1578 | 9527 | 11 | 0 11 | 0 11 | 0 11 | 0 11 | 0 11 |
| ET2 | 1579 | 1574 | 6 | -1 5 | 0 5 | 0 5 | 0 5 | 0 5 |
| ET2 | 1579 | 1580 | 3 | 0 3 | 0 3 | 0 3 | 0 3 | 0 3 |
| ET2 | 1580 | | 17 | -3 14 | 1 15 | 0 15 | 0 15 | 0 15 |
| ET2 | 1580 | 1480 | 5 | 0 5 | 0 5 | 0 5 | 0 5 | 0 5 |
| ET2 | 1580 | 9526 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1580 | 9527 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 1480 | 1580 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 1574 | | 1 | -1 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| ET3 | 1574 | 1480 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 1574 | 1580 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 1578 | | 6 | 0 6 | 0 6 | 0 6 | 0 6 | 0 6 |
| ET3 | 1579 | 1580 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 1580 | | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET3 | 1580 | 1480 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET3 | 1580 | 9527 | 7 | -1 6 | 0 6 | 0 6 | 0 6 | 0 6 |
| ET3 | 1580 | 9597 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET3 | 4749 | 1580 | 0 | 1 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| Staff Billets ACDU and TAR | | | | | | | | |
| ACC | 6901 | 9502 | 3 | -1 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| AC1 | 6901 | 9502 | 4 | -4 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| ETC | 1574 | 9502 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET1 | 1578 | 9502 | 2 | -1 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET1 | 1580 | 9502 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1574 | 9502 | 1 | -1 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| ET2 | 1580 | 9502 | 1 | -1 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| Chargeable Student Billets ACDU and TAR | | | | | | | | |
| | | | 77 | 0 77 | -1 76 | 0 76 | 0 76 | 0 76 |
| SELRES Billets | | | | | | | | |
| ACC | 6901 | | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| AC1 | 6901 | | 3 | 0 3 | 0 3 | 0 3 | 0 3 | 0 3 |
| AC2 | 6901 | | 8 | 0 8 | 0 8 | 0 8 | 0 8 | 0 8 |
| AC3 | 6901 | | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ETC | 1580 | | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET1 | 1580 | | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| ET2 | 1574 | 1579 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| ET2 | 1580 | | 6 | 0 6 | -1 5 | 0 5 | 0 5 | 0 5 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY00 +/- CUM | FY01 +/- CUM | FY02 +/- CUM | FY03 +/- CUM | FY04 +/- CUM |
|------------------|---------------|---------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|
|------------------|---------------|---------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|

TOTAL USN ENLISTED BILLETS:

| | | | | | | | | |
|--------------------|--|--|-----|--------|-------|-------|-------|-------|
| Fleet Support | | | 623 | -7 616 | 1 617 | 0 617 | 0 617 | 0 617 |
| Staff | | | 13 | -8 5 | 0 5 | 0 5 | 0 5 | 0 5 |
| Chargeable Student | | | 77 | 0 77 | -1 76 | 0 76 | 0 76 | 0 76 |
| SELRES | | | 23 | 0 23 | -1 22 | 0 22 | 0 22 | 0 22 |

c. OFFICER - USMC Not Applicable

d. ENLISTED - USMC

Fleet Support Billets USMC and AR

| | | | | | | | | |
|--------|------|------|-----|-------|-------|--------|-------|-------|
| CPL | 5953 | | 25 | 0 25 | 0 25 | -1 24 | 0 24 | 0 24 |
| CPL | 5953 | 5956 | 6 | 0 6 | 0 6 | 0 6 | 0 6 | 0 6 |
| CPL | 5953 | 5957 | 4 | 0 4 | 0 4 | 0 4 | 0 4 | 0 4 |
| CPL | 7257 | 7252 | 56 | 0 56 | 0 56 | -1 55 | 0 55 | 0 55 |
| CPL | 7257 | 7253 | 31 | 0 31 | 0 31 | 0 31 | 0 31 | 0 31 |
| CPL | 7257 | 7254 | 30 | 0 30 | 0 30 | 0 30 | 0 30 | 0 30 |
| GYSGT | 5953 | | 14 | 0 14 | 0 14 | 0 14 | 0 14 | 0 14 |
| GYSGT | 5953 | 5956 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| GYSGT | 7257 | | 39 | 0 39 | 0 39 | 0 39 | 0 39 | 0 39 |
| LCPL | 5953 | | 53 | 0 53 | 0 53 | 0 53 | 0 53 | 0 53 |
| LCPL | 5953 | 5956 | 10 | 0 10 | 0 10 | 0 10 | 0 10 | 0 10 |
| LCPL | 5953 | 5957 | 6 | 0 6 | 0 6 | 0 6 | 0 6 | 0 6 |
| LCPL | 7257 | 7252 | 117 | 0 117 | 0 117 | -4 113 | 0 113 | 0 113 |
| LCPL | 7257 | 7253 | 161 | 0 161 | 0 161 | 0 161 | 0 161 | 0 161 |
| MGYSGT | 7291 | | 4 | 0 4 | 0 4 | 0 4 | 0 4 | 0 4 |
| MSGT | 7291 | | 21 | 0 21 | 0 21 | 0 21 | 0 21 | 0 21 |
| MSGT | 7291 | 9962 | 1 | 0 1 | 0 1 | 0 1 | 0 1 | 0 1 |
| SGT | 5953 | | 18 | 0 18 | 0 18 | 0 18 | 0 18 | 0 18 |
| SGT | 5953 | 5956 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |
| SGT | 5953 | 5957 | 4 | 0 4 | 0 4 | 0 4 | 0 4 | 0 4 |
| SGT | 7257 | 7252 | 41 | -2 39 | 0 39 | -1 38 | 0 38 | 0 38 |
| SGT | 7257 | 7253 | 16 | 0 16 | 0 16 | 0 16 | 0 16 | 0 16 |
| SGT | 7257 | 7254 | 40 | 0 40 | 0 40 | 0 40 | 0 40 | 0 40 |
| SSGT | 5953 | | 16 | 0 16 | 0 16 | 0 16 | 0 16 | 0 16 |
| SSGT | 5953 | 5956 | 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 |

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

| DESIG/ RATING | PNEC/ PMOS | SNEC/ SMOS | BILLET BASE | CFY00 +/- | CUM | FY01 +/- | CUM | FY02 +/- | CUM | FY03 +/- | CUM | FY04 +/- | CUM |
|--|---------------|---------------|----------------|--------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
| SSGT | 5953 | 5957 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| SSGT | 7257 | | 82 | 0 | 82 | 0 | 82 | 0 | 82 | 0 | 82 | 0 | 82 |
| Staff Billets USMC and AR | | | | | | | | | | | | | |
| CPL | 5953 | | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| GYSGT | 5953 | | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| GYSGT | 7257 | | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| LCPL | 5953 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| MSGT | 7291 | | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| SGT | 5953 | | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 |
| SGT | 7257 | 7252 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| SGT | 7257 | 7253 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 |
| SSGT | 5953 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| SSGT | 7257 | | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 | 0 | 12 |
| Chargeable Student Billets USMC and AR | | | | | | | | | | | | | |
| | | | 90 | 0 | 90 | 0 | 90 | -1 | 89 | -1 | 88 | 0 | 88 |
| SMCR Billets | | | | | | | | | | | | | |
| CPL | 5953 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| CPL | 7257 | 7252 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |
| CPL | 7257 | 7254 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| GYSGT | 7257 | | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| LCPL | 5953 | | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 | 10 |
| LCPL | 7257 | 7252 | 14 | 0 | 14 | 0 | 14 | 0 | 14 | 0 | 14 | 0 | 14 |
| LCPL | 7257 | 7253 | 22 | 0 | 22 | 0 | 22 | 0 | 22 | 0 | 22 | 0 | 22 |
| MGYSGT | 7291 | | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| MSGT | 7291 | | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| SGT | 5953 | | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 |
| SGT | 7257 | 7252 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 | 0 | 3 |
| SGT | 7257 | 7254 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 | 6 |
| SSGT | 7257 | | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 | 0 | 4 |

TOTAL USMC ENLISTED BILLETS:

| | | | | | | | | | | | |
|--------------------|-----|----|-----|---|-----|----|-----|----|-----|---|-----|
| Fleet Support | 801 | -2 | 799 | 0 | 799 | -7 | 792 | 0 | 792 | 0 | 792 |
| Staff | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 |
| Chargeable Student | 90 | 0 | 90 | 0 | 90 | -1 | 89 | -1 | 88 | 0 | 88 |
| SMCR | 78 | 0 | 78 | 0 | 78 | 0 | 78 | 0 | 78 | 0 | 78 |

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-103-2051, AN/TPX-42(V)10 RATCF DAIR Maintenance Technician Pipeline

COURSE LENGTH: 13.0 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10%

BACKOUT FACTOR: 0.26

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|----------------------|--------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| NATTC Pensacola | | | | | | | |
| | NAVY | ACDU | | 14 | 13 | 13 | 13 |
| | | TAR | | 1 | 1 | 1 | 1 |
| | | TOTAL: | | 15 | 14 | 14 | 14 |

CIN, COURSE TITLE: C-103-2053, AN/TPX-42(V)5 DAIR Maintenance Technician Pipeline

COURSE LENGTH: 11.2 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10%

BACKOUT FACTOR: 0.22

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|----------------------|--------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| NATTC Pensacola | | | | | | | |
| | NAVY | ACDU | | 13 | 12 | 12 | 12 |
| | | TAR | | 1 | 1 | 1 | 1 |
| | | SELRES | | 0 | 0 | 0 | 0 |
| | | TOTAL: | | 14 | 13 | 13 | 13 |

CIN, COURSE TITLE: C-103-2060, AN/GPN-27 Radar Maintenance Technician Pipeline

COURSE LENGTH: 14.6 Weeks

NAVY TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10%

BACKOUT FACTOR: 0.29

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|----------------------|--------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| NATTC Pensacola | | | | | | | |
| | NAVY | ACDU | | 23 | 22 | 22 | 22 |
| | | TAR | | 1 | 2 | 1 | 1 |
| | | SELRES | | 1 | 0 | 1 | 0 |
| | | TOTAL: | | 25 | 24 | 24 | 23 |

CIN, COURSE TITLE: C-103-2080, Marine Air Traffic Control Radar Technician Pipeline

COURSE LENGTH: 35.4 Weeks

ATTRITION FACTOR: USMC: 0%

BACKOUT FACTOR: 0.71

| TRAINING ACTIVITY | SOURCE | ACDU/TAR SELRES | CFY00 OFF ENL | FY01 OFF ENL | FY02 OFF ENL | FY03 OFF ENL | FY04 OFF ENL |
|----------------------------------|--------|--------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| MATSG Pensacola, NATTC Pensacola | | | | | | | |
| | USMC | USMC | | 41 | 41 | 40 | 40 |
| | | SMCR | | 2 | 2 | 2 | 2 |
| | | TOTAL: | | 43 | 43 | 42 | 42 |

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-222-2010, Air Traffic Controller

COURSE LENGTH: 16.0 Weeks

ATTRITION FACTOR: Navy: 10% USMC: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.32

| TRAINING ACTIVITY | | ACDU/TAR | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|-------------------|--------|----------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| SOURCE | SELRES | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| NATTC Pensacola | | | | | | | | | | | | |
| NAVY | ACDU | | | 181 | | 180 | | 180 | | 180 | | 180 |
| | TAR | | | 0 | | 0 | | 0 | | 0 | | 0 |
| | SELRES | | | 1 | | 1 | | 1 | | 1 | | 1 |
| | USMC | | | 166 | | 166 | | 165 | | 164 | | 164 |
| | SMCR | | | 6 | | 6 | | 6 | | 6 | | 6 |
| | TOTAL: | | | 354 | | 353 | | 352 | | 351 | | 351 |

CIN, COURSE TITLE: C-222-2022, Advanced Radar Air Traffic Controller

COURSE LENGTH: 4.0 Weeks

ATTRITION FACTOR: Navy: 10% USMC: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.08

| TRAINING ACTIVITY | | ACDU/TAR SELRES | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|-------------------|------|--------------------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| SOURCE | | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| NATTC Pensacola | | | | | | | | | | | | |
| | NAVY | ACDU | | 182 | | 180 | | 180 | | 180 | | 180 |
| | | TAR | | 0 | | 0 | | 0 | | 0 | | 0 |
| | | SELRES | | 1 | | 1 | | 1 | | 1 | | 1 |
| | USMC | USMC | | 166 | | 166 | | 165 | | 164 | | 164 |
| | | SMCR | | 6 | | 6 | | 6 | | 6 | | 6 |
| | | TOTAL: | | 355 | | 353 | | 352 | | 351 | | 351 |

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline

COURSE LENGTH: 16.0 Weeks

ATTRITION FACTOR: Navy: 10% USMC: 0%

NAVY TOUR LENGTH: 36 Months

BACKOUT FACTOR: 0.32

| TRAINING ACTIVITY | | ACDU/TAR | CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | |
|-------------------|--------|----------|-------|-----|------|-----|------|-----|------|-----|------|-----|
| SOURCE | SELRES | | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL |
| NATTC Pensacola | | | | | | | | | | | | |
| NAVY | ACDU | | | 0 | | 0 | | 41 | | 41 | | 41 |
| | TAR | | | 0 | | 0 | | 3 | | 3 | | 3 |
| | SELRES | | | 0 | | 0 | | 1 | | 1 | | 1 |
| | USMC | | | 0 | | 0 | | 46 | | 46 | | 46 |
| | SMCR | | | 0 | | 0 | | 2 | | 2 | | 2 |
| | TOTAL: | | | 0 | | 0 | | 93 | | 93 | | 93 |

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the National Airspace System Modernization Program and, therefore, are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

III.A.3 Existing Training Phased Out

PART III - TRAINING REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: DASR Site Maintenance Course
COURSE DEVELOPER: Raytheon
COURSE INSTRUCTOR: Raytheon
COURSE LENGTH: 49 Days
ACTIVITY DESTINATIONS: MCAF Kaneohe Bay
 MCAF Quantico
 MCAS Beaufort
 MCAS Cherry Point
 MCAS Futenma
 MCAS Iwakuni
 MCAS New River
 MCAS Yuma
 NALF San Clemente Island
 NAS Brunswick
 NAS Corpus Christi
 NAS Fallon
 NAS JRB Fort Worth
 NAS Jacksonville
 NAS Keflavik
 NAS Key West
 NAS Kingsville
 NAS Lemoore
 NAS Meridian
 NAS New Orleans
 NAS North Island
 NAS Oceana
 NAS Pensacola
 NAS Whidbey Island
 NAS Whiting Field
 NAS Willow Grove
 NATTC Pensacola
 NAVSTA Mayport
 NAVSTA Roosevelt Roads
 NAVSTA Rota
 NAWCAD Patuxent River
 NAWS Point Mugu
 SPAWARSSCOM

LOCATION, UIC

Waterloo, Ontario, Canada, 00000

**BEGIN
DATE**

Jan 99

STUDENTS

OFF

ENL

CIV

13

1.7

2

Input

AOB

Chargeable

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: Operational Test and Evaluation Course
COURSE DEVELOPER: Raytheon
COURSE INSTRUCTOR: Raytheon
COURSE LENGTH: 63 Days
ACTIVITY DESTINATIONS: TBD

| LOCATION, UIC | BEGIN DATE | STUDENTS | | CIV |
|----------------------------------|---------------|----------|-----|------------|
| | | OFF | ENL | |
| Waterloo, Ontario, Canada, 00000 | Jan 99 | | 12 | Input |
| | | | 2.1 | AOB |
| | | | | Chargeable |

COURSE TITLE: Installation and Checkout Course
COURSE DEVELOPER: Raytheon
COURSE INSTRUCTOR: Raytheon
COURSE LENGTH: 14 Days
ACTIVITY DESTINATIONS: SPAWARSSYSCOM

| LOCATION, UIC | BEGIN DATE | STUDENTS | | CIV |
|----------------------------------|---------------|----------|-----|------------|
| | | OFF | ENL | |
| Waterloo, Ontario, Canada, 00000 | Jul 00 | | | 6 Input |
| | | | | AOB |
| | | | | Chargeable |

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-103-2051, AN/TPX-42(V)10 RATCF DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 15 | | 14 | | 14 | | 14 | | 14 | ATIR |
| | 14 | | 13 | | 13 | | 13 | | 13 | Output |
| | 3.4 | | 3.2 | | 3.2 | | 3.2 | | 3.2 | AOB |
| | 3.4 | | 3.2 | | 3.2 | | 3.2 | | 3.2 | Chargeable |

CIN, COURSE TITLE: C-103-2053, AN/TPX-42(V)5 DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 14 | | 13 | | 13 | | 13 | | 13 | ATIR |
| | 13 | | 12 | | 12 | | 12 | | 12 | Output |
| | 2.8 | | 2.6 | | 2.6 | | 2.6 | | 2.6 | AOB |
| | 2.8 | | 2.6 | | 2.6 | | 2.6 | | 2.6 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 0 | | 0 | | 0 | | 0 | | 0 | ATIR |
| | 0 | | 0 | | 0 | | 0 | | 0 | Output |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-103-2060, AN/GPN-27 Radar Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 24 | | 24 | | 23 | | 23 | | 23 | ATIR |
| | 22 | | 22 | | 21 | | 21 | | 21 | Output |
| | 6.3 | | 6.3 | | 6.1 | | 6.1 | | 6.1 | AOB |
| | 6.3 | | 6.3 | | 6.1 | | 6.1 | | 6.1 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 1 | | 0 | | 1 | | 0 | | 1 | ATIR |
| | 1 | | 0 | | 1 | | 0 | | 1 | Output |
| | 0.3 | | 0.0 | | 0.3 | | 0.0 | | 0.3 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

CIN, COURSE TITLE: C-103-2080, Marine Air Traffic Control Radar Technician Pipeline
TRAINING ACTIVITY: MATSG
LOCATION, UIC: NATTC Pensacola, 39831

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 41 | | 41 | | 40 | | 40 | | 40 | ATIR |
| | 41 | | 41 | | 40 | | 40 | | 40 | Output |
| | 27.7 | | 27.7 | | 27.1 | | 27.1 | | 27.1 | AOB |
| | 27.7 | | 27.7 | | 27.1 | | 27.1 | | 27.1 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** SMCR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 2 | | 2 | | 2 | | 2 | | 2 | ATIR |
| | 2 | | 2 | | 2 | | 2 | | 2 | Output |
| | 1.4 | | 1.4 | | 1.4 | | 1.4 | | 1.4 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-222-2010, Air Traffic Controller

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 181 | | 180 | | 180 | | 180 | | 180 | ATIR |
| | 163 | | 162 | | 162 | | 162 | | 162 | Output |
| | 51.8 | | 51.5 | | 51.5 | | 51.5 | | 51.5 | AOB |
| | 51.8 | | 51.5 | | 51.5 | | 51.5 | | 51.5 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 1 | | 1 | | 1 | | 1 | | 1 | ATIR |
| | 1 | | 1 | | 1 | | 1 | | 1 | Output |
| | 0.3 | | 0.3 | | 0.3 | | 0.3 | | 0.3 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 166 | | 166 | | 165 | | 164 | | 164 | ATIR |
| | 166 | | 166 | | 165 | | 164 | | 164 | Output |
| | 50.0 | | 50.0 | | 49.7 | | 49.4 | | 49.4 | AOB |
| | 50.0 | | 50.0 | | 49.7 | | 49.4 | | 49.4 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** SMCR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 6 | | 6 | | 6 | | 6 | | 6 | ATIR |
| | 6 | | 6 | | 6 | | 6 | | 6 | Output |
| | 1.8 | | 1.8 | | 1.8 | | 1.8 | | 1.8 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-222-2022, Advanced Radar Air Traffic Controller

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 182 | | 180 | | 180 | | 180 | | 180 | ATIR |
| | 164 | | 162 | | 162 | | 162 | | 162 | Output |
| | 12.3 | | 12.2 | | 12.2 | | 12.2 | | 12.2 | AOB |
| | 12.3 | | 12.2 | | 12.2 | | 12.2 | | 12.2 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 1 | | 1 | | 1 | | 1 | | 1 | ATIR |
| | 1 | | 1 | | 1 | | 1 | | 1 | Output |
| | 0.1 | | 0.1 | | 0.1 | | 0.1 | | 0.1 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|------|------|------|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 166 | | 166 | | 165 | | 164 | | 164 | ATIR |
| | 166 | | 166 | | 165 | | 164 | | 164 | Output |
| | 11.8 | | 11.8 | | 11.8 | | 11.7 | | 11.7 | AOB |
| | 11.8 | | 11.8 | | 11.8 | | 11.7 | | 11.7 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** SMCR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 6 | | 6 | | 6 | | 6 | | 6 | ATIR |
| | 6 | | 6 | | 6 | | 6 | | 6 | Output |
| | 0.4 | | 0.4 | | 0.4 | | 0.4 | | 0.4 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 0 | | 0 | | 44 | | 44 | | 44 | ATIR |
| | 0 | | 0 | | 40 | | 40 | | 40 | Output |
| | 0.0 | | 0.0 | | 12.9 | | 12.9 | | 12.9 | AOB |
| | 0.0 | | 0.0 | | 12.9 | | 12.9 | | 12.9 | Chargeable |

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 0 | | 0 | | 1 | | 1 | | 1 | ATIR |
| | 0 | | 0 | | 1 | | 1 | | 1 | Output |
| | 0.0 | | 0.0 | | 0.3 | | 0.3 | | 0.3 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|------|------|------|------|------|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 0 | | 0 | | 46 | | 46 | | 46 | ATIR |
| | 0 | | 0 | | 46 | | 46 | | 46 | Output |
| | 0.0 | | 0.0 | | 14.1 | | 14.1 | | 14.1 | AOB |
| | 0.0 | | 0.0 | | 14.1 | | 14.1 | | 14.1 | Chargeable |

SOURCE: USMC **STUDENT CATEGORY:** SMCR

| CFY00 | | FY01 | | FY02 | | FY03 | | FY04 | | |
|-------|-----|------|-----|------|-----|------|-----|------|-----|------------|
| OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | OFF | ENL | |
| | 0 | | 0 | | 2 | | 2 | | 2 | ATIR |
| | 0 | | 0 | | 2 | | 2 | | 2 | Output |
| | 0.0 | | 0.0 | | 0.6 | | 0.6 | | 0.6 | AOB |
| | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | Chargeable |

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the National Airspace System Modernization Program and, therefore, are not included in Part IV of this NTSP:

IV.A. Training Hardware

IV.A.2. Training Devices

IV.C. Facility Requirements

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| ITEM NO. | EQUIPMENT / TYPE OR RANGE OF REPAIR | QTY REQD | DATE REQD | GFE CFE | STATUS |
|--------------|---|----------|-----------|---------|---------|
| TTE | | | | | |
| 0001 | Digital Airport Surveillance Radar | 1 | Sep 01 | CFE | Pending |
| 0002 | Digital Airport Surveillance Radar | 1 | Jul 05 | CFE | Pending |
| 0003 | Visual Information Display System | 1 | Jul 01 | CFE | Pending |
| 0004 | Visual Information Display System | 1 | Jul 04 | CFE | Pending |
| 0005 | Standard Terminal Automation Replacement System | 1 | Jul 01 | CFE | Pending |
| 0006 | Standard Terminal Automation Replacement System | 1 | Jul 04 | CFE | Pending |
| GPETE | | | | | |
| 0001 | Fluke 8060A Multimeter | 1 | May 02 | CFE | Pending |
| 0002 | Fluke PM3390B/023 Oscilloscope | 1 | May 02 | CFE | Pending |
| 0003 | HP8900A Peak Power Meter | 1 | May 02 | CFE | Pending |
| 0004 | HP 84811A Peak Power Meter Sensor | 1 | May 02 | CFE | Pending |
| 0005 | Radiation Monitor | 1 | May 02 | CFE | Pending |
| 0006 | Narda 8721D Radiation Monitor Probe | 1 | May 02 | CFE | Pending |
| 0007 | 1 Ohm Power Resistor | 1 | May 02 | CFE | Pending |
| 0008 | Narda 765-20 20 dB 50W Attenuator | 1 | May 02 | CFE | Pending |
| 0009 | Narda 76610(20W) 10 dB 10W Attenuator | 1 | May 02 | CFE | Pending |
| 0010 | VT2000 Compatible Terminal | 1 | May 02 | CFE | Pending |
| 0011 | HP8596E Spectrum Analyzer | 1 | May 02 | CFE | Pending |
| 0012 | HP5350 Frequency Counter | 1 | May 02 | CFE | Pending |
| 0013 | Overhead Winch Model ED12SD | 2 | May 02 | CFE | Pending |
| 0014 | Overhead Winch Model DK2-250 | 2 | May 02 | CFE | Pending |
| 0015 | DDM Lifting Jig | 2 | May 02 | CFE | Pending |
| 0016 | CRT Lifting Jig | 2 | May 02 | CFE | Pending |
| 0017 | Cart | 4 | May 02 | CFE | Pending |

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline (Continued)

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola 63093

| ITEM NO. | EQUIPMENT / TYPE OR RANGE OF REPAIR | QTY REQD | DATE REQD | GFE CFE | STATUS |
|-----------|---|----------|-----------|---------|---------|
| 0018 | RM-10 Remote Controller | 4 | May 02 | CFE | Pending |
| 0019 | LS-10 Landing Sensor | 4 | May 02 | CFE | Pending |
| 0020 | AS-10 Alignment Software | 4 | May 02 | CFE | Pending |
| 0021 | Personal Computer | 4 | May 02 | CFE | Pending |
| 0022 | Astro VG-829 Signal Generator | 4 | May 02 | CFE | Pending |
| 0023 | Fluke Model 27 Multimeter | 4 | May 02 | CFE | Pending |
| 0024 | HP54645A-E01 Oscilloscope | 4 | May 02 | CFE | Pending |
| 0025 | Fluke IT10-100 Optic Cabling LAN Analyzer | 4 | May 02 | CFE | Pending |
| 0026 | Minolta CA-100 Color Analyzer | 4 | May 02 | CFE | Pending |
| 0027 | Sony DDM-BC02 Ball Chart | 4 | May 02 | CFE | Pending |
| 0028 | Peak 2008 Stand Microscope | 4 | May 02 | CFE | Pending |
| 0029 | Klein CM7AG Convergence Gauge | 4 | May 02 | CFE | Pending |
| 0030 | Sony 3-702-567-01 Anode Cap Remover | 4 | May 02 | CFE | Pending |
| 0031 | Sony 3-702-566-01 Flex-Cable Tweezers | 4 | May 02 | CFE | Pending |
| 0032 | UT330 30KVA uninterruptible Power Supply | 2 | May 02 | CFE | Pending |
| ST | | | | | |
| 0001 | Screwdriver Set | 4 | May 02 | GFE | Pending |
| 0002 | Metric Socket Set | 4 | May 02 | GFE | Pending |
| 0003 | Needle Nose Pliers | 4 | May 02 | GFE | Pending |
| 0004 | Excelite Tool Kit | 4 | May 02 | GFE | Pending |
| 005 | ESD Mats | 12 | May 02 | GFE | Pending |
| 006 | ESD Wrist Straps | 12 | May 02 | GFE | Pending |

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

| COURSE / TYPE OF TRAINING | SCHOOL LOCATION, UIC | NO. OF PERSONNEL | MAN WEEKS REQUIRED | DATE BEGIN |
|--|----------------------------------|---------------------|-----------------------|---------------|
| Operational Test and Evaluation Course | Waterloo, Ontario, Canada, 00000 | 1 | 9 | Jan 99 |
| DASR Site Maintenance Course | Waterloo, Ontario, Canada, 00000 | 1 | 7 | Jan 99 |
| Installation and Checkout Course | Waterloo, Ontario, Canada, 00000 | 1 | 2 | Jul 00 |

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TYPES OF MATERIAL OR AID | QTY REQD | DATE REQD | STATUS |
|---|---------------------|----------------------|---------------|
| Electronic Display Device | 1 | May 02 | Pending |
| Instructor Guides | 3 | May 02 | Pending |
| Student Evaluations | 50 | May 02 | Pending |
| Student Guides | 50 | May 02 | Pending |
| Student Tests | 50 | May 02 | Pending |
| Toshiba G3 LCD Projector | 1 | May 02 | Pending |
| Wall Charts | 1 | May 02 | Pending |
| Schematic Packs | 9 | May 02 | Pending |
| Test Administrator's Guide | 1 | May 02 | Pending |
| Trainee Guides | 9 | May 02 | Pending |
| Transparency Sets (two electronic versions and one paper version) | | | |
| VG-AF-100 | 3 | May 02 | Pending |
| VG-AF-200 | 3 | May 02 | Pending |
| VG-AF-300 | 3 | May 02 | Pending |

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|---|-----------|----------|-----------|---------|
| 110907 Technical Manual for Moving Target Indicator (MTI) Reflector, S Band PSI Model A-150a | Hard copy | 10 | Sep 01 | Pending |
| 135-180R02J Manual for Generator Set Model 135-180R02J, Kit 352198 | Hard copy | 10 | Sep 01 | Pending |
| 15-00002-00 Multiport 400S/800S A/Sync Series User's Manual | Hard copy | 10 | Sep 01 | Pending |
| 164201014 Installation Manual for International Power Machines Balanced Power 30-80 KVA uninterruptible Power System | Hard copy | 10 | Sep 01 | Pending |
| 164201016 Operation Manual for International Power Machines Balanced Power 30-160 KVA uninterruptible Power System | Hard copy | 10 | Sep 01 | Pending |
| 164201017 Installation Manual for International Power Machines Balanced Power Model 27 and Model 43 Auxiliary Battery Cabinets | Hard copy | 10 | Sep 01 | Pending |
| 1998-07-06 Rotary Joint RJ 6940/01 Technical Manual | Hard copy | 10 | Sep 01 | Pending |
| 3-800-980-21(1) Color Monitor Guide - SUN GDM 17/20 E20 | Hard copy | 10 | Sep 01 | Pending |
| 3AFY 61201360 R0225 ACS 601 Frequency Converters 2.2 to 110 kW Installation and Startup Manual | Hard copy | 10 | Sep 01 | Pending |
| 4001627 Printer X-LQ570+/1070+ | Hard copy | 10 | Sep 01 | Pending |
| 6000-004 Site Technical Manual and Assembly Procedures for the Digital Airport Surveillance Radar (DASR) Tower | Hard copy | 10 | Sep 01 | Pending |
| 780-003727 User's Manual for the ASR-11 Radar Data Translator Equipment Control and Maintenance Console | Hard copy | 10 | Sep 01 | Pending |
| 780-003728 Installation, Operation and Maintenance Manual for the Digital Video Generator (DVG) of the Airport Surveillance Radar (ASR-11) Data Translator Equipment | Hard copy | 10 | Sep 01 | Pending |

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline (Continued)

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|--|-----------|----------|-----------|---------|
| 780-003729 Installation, Operation and Maintenance Manual for the Surveillance Data Translator (SDT) of the Airport Surveillance Radar (ASR-11) Data Translator Equipment | Hard copy | 10 | Sep 01 | Pending |
| 780-004232 Installation, Operation and Maintenance Manual for the System Interface Unit of the Airport Surveillance Radar (ASR-11) | Hard copy | 10 | Sep 01 | Pending |
| 79680 Installation and Maintenance Manual for Model 174100 ASR-11 S-Band Antenna | Hard copy | 10 | Sep 01 | Pending |
| 800-6654-12 Using your SUN Keyboard | Hard copy | 10 | Sep 01 | Pending |
| 800-6802-14 Keyboard and Mouse Product Notes - SUN Type 5C | Hard copy | 10 | Sep 01 | Pending |
| 801-6397-13 Diskette Drive Installation and User's Manual | Hard copy | 10 | Sep 01 | Pending |
| 802-7084-10 SPARC Station 5 Installation Guide | Hard copy | 10 | Sep 01 | Pending |
| 990-7022a Smart-UPS XL Supplement | Hard copy | 10 | Sep 01 | Pending |
| 990-7095 Smart-UPS Rack Mount Supplement (Includes 3U Models) User's Manual | Hard copy | 10 | Sep 01 | Pending |
| 990-7305a APC Safety Guide | Hard copy | 10 | Sep 01 | Pending |
| ACS600-US-05 3AUA489002B1456 RO-101 ACS 600 AC Drives 3 to 350 HP (2.2 to 315 kW) Programming Manual | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016001G STARS Program DFTA01-96-D-03008 ISC O&M Manual for the SOS T16191.1 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-001G ISC O&M Manual for the OSF T16191.8 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-016 ISC ATCoach User's Manual T16191.8 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-006B EDC New CHI TWC/TWD Operator's Manual (V3.1A) Quick | Hard copy | 10 | Sep 01 | Pending |

Reference Card T16191.159

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline (Continued)

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|--|-----------|----------|-----------|---------|
| CDRL L016-007B EDC/ESL ATSS Operator's Manual (V3.1x) T16191.160 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-008 FSL Database Management System (DMS) Software User's Manual (SUM) V7.3 T16191.6 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-009 FSL Software Tools Menu V7.3 T16191.167 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-011 FSL TDW/TCW Operator's Manual V7.3 T16191.6 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-011-01 FSL TDW/TCW Quick reference Card V7.3 T16191.6 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-012 FSL Monitoring and Control Workstation (MCW) Operator's Manual V7.3 T16191.3 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-013 Early display Configuration (DEC) Database Management System (DMS) Software User's Manual T16191.13 | Hard copy | 10 | Sep 01 | Pending |
| CDRL L016-014 Early Display Configuration (EDC) Software Tools MENU T16191.167 | Hard copy | 10 | Sep 01 | Pending |
| CTM86 Operation and Maintenance Manual - PowerTech 8.1L 6081 OEM Diesel Engines | Hard copy | 10 | Sep 01 | Pending |
| EM 267 FA-3S Series Programmable Controller User's Manual | Hard copy | 10 | Sep 01 | Pending |
| EQM 807480/00X Equipment Manual for Condor LVA Antenna 807480/00X (2nd Edition) | Hard copy | 10 | Sep 01 | Pending |
| EQM 808136/005 Equipment Manual for Condor MSSR Interrogator 808136/005 | Hard copy | 10 | Sep 01 | Pending |
| EQM 808412/000 Equipment Manual for Dual/Single Channel Site Monitor 808412/000 | Hard copy | 10 | Sep 01 | Pending |
| G584380 Equipment Manual, S-Band Airport Surveillance Radar ASR-11 | Hard copy | 10 | Sep 01 | Pending |
| IB-S 268 Rev. - Part No. 48248 Models 600/850/1200 Series A-D Compressor Dehydrator | Hard copy | 10 | Sep 01 | Pending |

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline (Continued)

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|---|-----------|----------|-----------|---------|
| KB-566541-260 Manual for ATS Model KB-566541-260 | Hard copy | 10 | Sep 01 | Pending |
| MVME 167IG/D3 Single Board Computer Installation Guide (Hardware) | Hard copy | 10 | Sep 01 | Pending |
| MVME 712A/D2 Transition Modules and LCP2 Adapter Board - Motorola MVME 712-12/-13, MVME 712A/AM/B User's Manual | Hard copy | 10 | Sep 01 | Pending |
| None Digital Airport Surveillance Radar (DASR) ASR-11 Antenna/Pedestal System Field Maintenance Manual (With Maintenance Parts List) | Hard copy | 10 | Sep 01 | Pending |
| None Operation and Maintenance Manual P.O. #BUR5500009 DASR Model 8180 Job # T-3176 | Hard copy | 10 | Sep 01 | Pending |
| OMRG24828 Service - Industrial Generator Sets - Models: 20-300 kW | Hard copy | 10 | Sep 01 | Pending |
| Sp-1045/t Video Signal Processor | Hard copy | 10 | Sep 01 | Pending |
| SYM 808390/000 System Manual for MSSR System 808390/000 for DASR | Hard copy | 10 | Sep 01 | Pending |
| TBS Service Parts - Engine - Engine Model: John Deere 6081 - Generator Set Models: 135-180ROZJ, 125-180ROZJA | Hard copy | 10 | Sep 01 | Pending |
| TI 6310.47 Volume 1 ASR-11 System Operation and Maintenance Manual | Hard copy | 10 | Sep 01 | Pending |
| TI 6310.47 Volume 2 ASR-11 System Field Installation Manual | Hard copy | 10 | Sep 01 | Pending |
| TP-5353 Service Parts - Industrial Generator Sets - Models: Accessories 20-180ROZJ, 20-180ROZP, 200-2000ROZD | Hard copy | 10 | Sep 01 | Pending |
| TP-5460 AVTRON Model K675A Outdoor Resistive Load Bank Part Number K675D28216, 100 kW 480 VAC 5 kW Resolution Load Steps 5, 10, 25, 50 kW | Hard copy | 10 | Sep 01 | Pending |
| TP-5503 Service - Automatic Transfer Switches - Model: M340 - Logic: Microprocessor | Hard copy | 10 | Sep 01 | Pending |

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline (Continued)

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

| TECHNICAL MANUAL NUMBER / TITLE | MEDIUM | QTY REQD | DATE REQD | STATUS |
|--|-----------|----------|-----------|---------|
| TP-5569 Operation and Installation Manual - Automatic Transfer Switches - Models: KB-Series - Contactors: 150-4000 Amperes | Hard copy | 10 | Sep 01 | Pending |
| TP-5604 Control Operation and Setup - Automatic Transfer Switches- Model: M340 | Hard copy | 10 | Sep 01 | Pending |
| TP-5645 Parts Catalog - Microprocessor Logic Automatic and Bypass - Isolation Transfer Switches - Model: M340 | Hard copy | 10 | Sep 01 | Pending |
| TP-5700 Service Parts - Automatic Transfer Switches - Models: K Series - Contractor Service Parts | Hard copy | 10 | Sep 01 | Pending |
| TP-5707 Service Parts - Industrial Generator Sets - Model: 135-180ROZJ | Hard copy | 10 | Sep 01 | Pending |
| TP-5718 Operation - Industrial Generator Sets - Models: 20-2000 kW | Hard copy | 10 | Sep 01 | Pending |
| TP-5750 Installation Manual - Generator Sets - Models: Industrial | Hard copy | 10 | Sep 01 | Pending |
| TP-5813 Installation - Automatic Transfer Switches - Model: M340 - Logic: Microprocessor | Hard copy | 10 | Sep 01 | Pending |
| TP-5826 John Deere Engine Service Schedule | Hard copy | 10 | Sep 01 | Pending |
| TP-5828 Wiring Diagrams - Fast Response II Industrial Generator Sets - Models: 20-180ROZJ, 20-100REOZJ, 40-180ROZJA | Hard copy | 10 | Sep 01 | Pending |
| TP-5889 Component Technical Manual - PowerTech 8.1L 6081 Diesel Engine | Hard copy | 10 | Sep 01 | Pending |

IV.C. FACILITY REQUIREMENTS

IV.C.1. FACILITY REQUIREMENTS SUMMARY (SPACE / SUPPORT) BY ACTIVITY

CIN, TITLE: C-103-XXXX, DASR/STARS Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

REQUIRED RFT DATE: May 02

| SQUARE FEET SPACE REQUIREMENTS | | | MAJOR EFR REQUIREMENTS | | | SPACE AVAILABLE | FACILITIES SUPPORT AVAILABILITY | | |
|-----------------------------------|-----|-----------------------|---------------------------|-------------|-------------------|--------------------|------------------------------------|-------------|-------------------|
| ACADEMIC CLASS | LAB | APPROVED CLASS/LAB | (KW) POWER | A/C TONS | OTHER CRITICAL | | (KW) POWER | A/C TONS | OTHER CRITICAL |
| 132 | 0 | 132 | 0 | 0 | 0 | Not Available | 0 | 0 | 0 |

Note: The lab will be in a pre-fabricated shelter delivered in conjunction with the DASR. Input power will be via a transformer supplied by the contractor during installation.

PART V - MPT MILESTONES

| COG CODE | MPT MILESTONES | DATE | STATUS |
|----------|--|---------|-----------|
| DA | Awarded Contract for DASR | Aug 96 | Completed |
| DA | Began Developmental Test of VIDS | FY97 | Completed |
| FAAAC | Began STARS Operator Training | Mar 98 | Completed |
| DA | Received DASR at Elgin AFB | Jun 98 | Completed |
| FAAAC | Began STARS Site Hardware Training | Jun 98 | Complete |
| DA | Prepared the DoD Test Site (Elgin AFB) | Sep 98 | Completed |
| DA | Conducted OT&E Initial Training for DASR | Jan 99 | Completed |
| DA | Approved COTS and NDI Technical Manuals for DASR | Feb 99 | Completed |
| DA | Conducted Combined DT&E and OT for DASR | Jun 99 | Completed |
| DA | Began Inspection, Validation, and Verification of VIDS | FY99 | Completed |
| FAAAC | Completed STARS Site Hardware Training | Oct 99 | Complete |
| AFOTEC | Conducted OT&E for DASR | Nov 99 | Completed |
| DA | Delivered STARS to NAWC St. Inigoes | Dec 99 | Completed |
| DA | Completed DT&E for STARS | Jan 00 | Completed |
| DA | Completed DT&OT for STARS | Jan 00 | Completed |
| DA | Approved System Operation and Technical Manuals for DASR | July 00 | Completed |
| DA | Began combined OT&E for STARS and DASR | July 00 | On-going |
| FAAAC | Complete STARS Operator Training | Sep 00 | Pending |
| DA | Attain Initial Operating Capability for STARS and VIDS | FY00 | Pending |
| DA | Begin Fleet Delivery and Installation of VIDS | FY00 | Pending |
| DA | Deliver STARS and VIDS TTE (First System) | FY00 | Pending |
| DA | Complete combined OT&E for STARS and DASR | Nov 00 | Pending |
| DA | Achieve Milestone III Decision for STARS | Mar 01 | Pending |

| COG CODE | MPT MILESTONES | DATE | STATUS |
|----------|--|--------|---------|
| DA | Begin Fleet Delivery of DASR | Jul 01 | Pending |
| DA | Attain Initial Operating Capability for DASR | Aug 01 | Pending |
| DA | Attain DoD Initial Operating Capability for STARS | FY01 | Pending |
| DA | Begin Fleet Installation of STARS | FY01 | Pending |
| DA | Deliver STARS TTE (First System) | FY01 | Pending |
| DA | Delivery DASR TTE (First System) | Oct 01 | Pending |
| TSA | Begin Follow-on Training for DASR | May 02 | Pending |
| DA | Attain Full Service Initial Operating Capability for STARS | FY02 | Pending |
| TSA | Begin Follow-on Training for STARS | FY02 | Pending |
| TSA | Begin Follow-on Training for VIDS | FY02 | Pending |
| DA | Deliver VIDS Training Device to NATTC Pensacola | FY03 | Pending |
| DA | Deliver STARS and VIDS TTE (Second System) | FY04 | Pending |
| DA | Deliver DASR TTE (Second System) | Aug 05 | Pending |
| DA | Attain Material Support Date | FY05 | Pending |
| DA | Deliver STARS TTE (Second System) | FY05 | Pending |
| DA | Complete Fleet Delivery and Installation of DASR | FY07 | Pending |
| DA | Complete Fleet Delivery and Installation of STARS | FY07 | Pending |
| DA | Complete Fleet Delivery and Installation of VIDS | FY07 | Pending |

PART VI - DECISION ITEMS/ACTION REQUIRED

| DECISION ITEM OR ACTION REQUIRED | COMMAND ACTION | DUE DATE | STATUS |
|-------------------------------------|----------------|----------|--------|
|-------------------------------------|----------------|----------|--------|

| | | | |
|------|--|--|--|
| None | | | |
|------|--|--|--|

PART VII - POINTS OF CONTACT

| NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL | TELEPHONE NUMBERS |
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